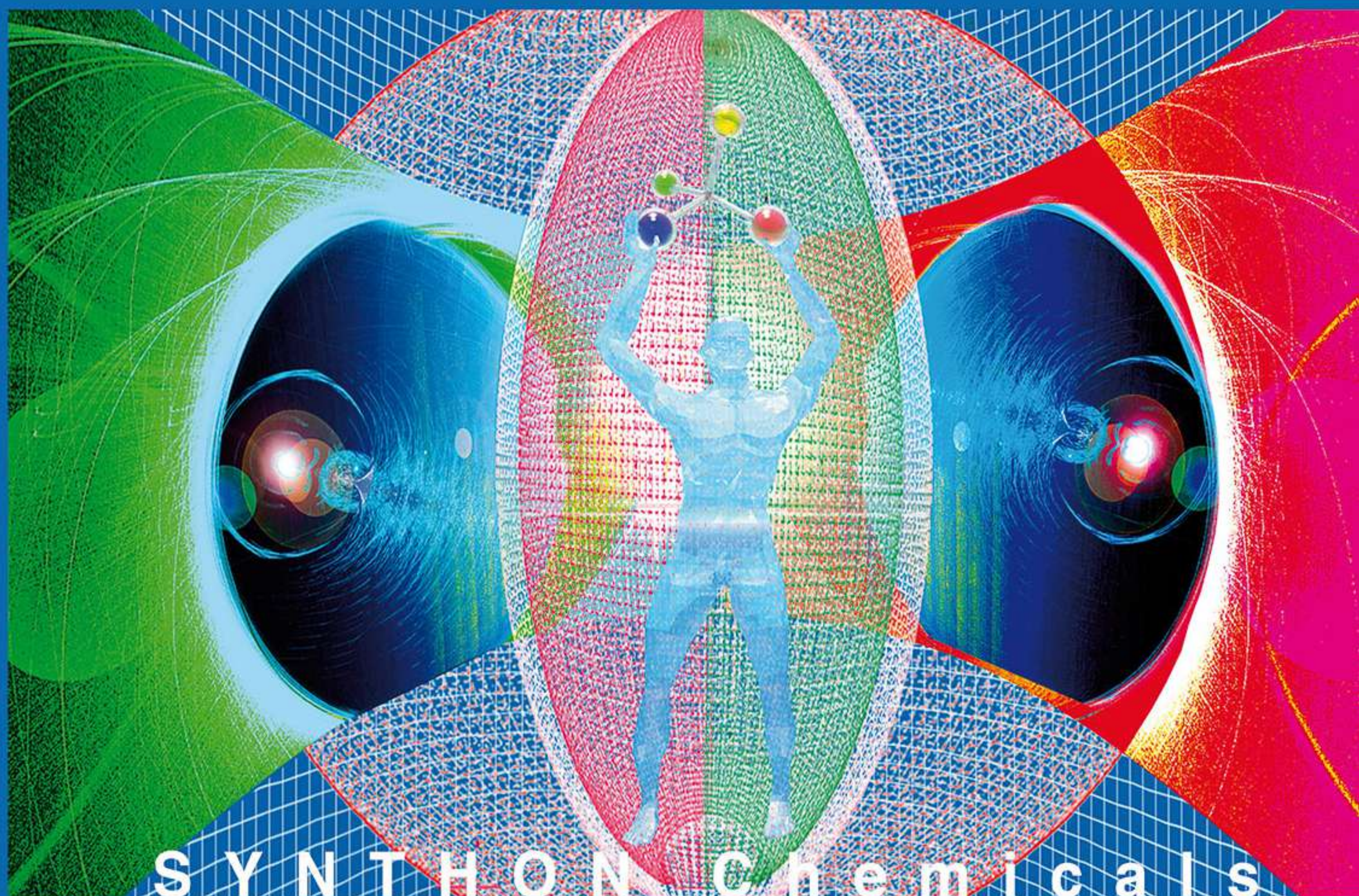


Organic Electronics & Photonics



SYNTHON Chemicals

Functional Dyes

機能性色素

Reactive Mesogens

反応性メソゲン

Custom Synthesis

カスタム合成

Liquid Crystals

液晶

Organic Semiconductors

有機半導体

Charge Transport Material

電荷輸送材料



SYNTHON Chemicals is a producer and distributor of research and fine chemicals for organic synthesis in semi-bulk quantities.

The company has special expertise in the following fields:

- Liquid Crystals and Liquid Crystal Intermediates
- Intermediates for LC-Polymers
- Organic Semiconductors
- Products for Solar Cells
- Dyes
 - Sensitizers for Photography
 - IR-Sensitizers for Offset printing (CTP)
 - Fluorescent and Laser dyes
 - Dichroic Dyes
 - Emitters for OLED
 - Products for Biolabelling
- Reagents for Organic Synthesis
- Heterocycles
- Pharmaceutical Intermediates
- Custom Synthesis

With 1700 squaremeters of laboratories, warehouses and offices SYNTHON supplies the industry with organic intermediates and final products in quantities from a few grams up to several hundred kilograms.

A highly skilled team of chemists and technicians is able to develop multi-step procedures from laboratory to pilot plant scale.

All products are tested by modern analytical methods to meet highest quality standards.

Most of our products are kept in stock in semi-bulk quantities to offer you the service of just-in-time delivery.

GENERAL TERMS AND CONDITIONS OF BUSINESS

1. Placement of orders

1.1 In respect of the conclusion, performance and wind-up of contracts concluded with SYNTHON, the optional law shall be replaced exclusively by the conditions of sale, delivery and payment stipulated hereinafter. The said conditions shall be deemed accepted upon placement of orders and shall, therefore, be binding upon both parties. Divergent contractual conditions, if any, shall be valid only if approved of in writing by SYNTHON. The same shall apply to all agreements differing from SYNTHON's order confirmation.

1.2 Placing of orders shall be in writing. The written-form requirement shall also be deemed as having been complied with if the order is placed by telefacsimile or e-mail.

1.3 All offers of SYNTHON shall be subject to alteration, i.e. they shall be but an invitation to Customer to submit a contractual offer. The contract after Customer's placement of order in writing shall not be deemed concluded until after SYNTHON's confirmation of order.

2. Prices

Subject to agreements to the contrary the prices applicable at the time of the contract conclusion shall be deemed agreed. If an interval of more than 4 months is between the conclusion of contract and the term of delivery, SYNTHON's prices applicable at the time of delivery shall be authoritative.

3. Terms of delivery

3.1 Delivery shall be made in accordance with the terms of delivery as scheduled or otherwise as soon as possible under consideration of the prevailing conditions. If stipulated times of delivery are exceeded by no more than 30 days, Customer shall have no right to rescind the contract. The same applies if the time of delivery is exceeded by more than 30 days, if the delay is not SYNTHON's responsibility or if Buyer has not scheduled an adequate grace period for the delivery.

3.2 Deliveries shall be exclusive of costs of shipment according to SYNTHON's discretion unless it has been agreed otherwise with Customer. All deliveries shall be in packing customary in trade practice. If so desired, SYNTHON shall give advice of customary shipment units.

3.3 Subject to agreements to the contrary, shipment shall be at Customer's risk. Complaints, if any, for reasons of an incomplete delivery or externally visible damage to or loss of goods in transit shall be immediately communicated to SYNTHON. Shipments the external appearance of which allows the conclusion that the goods have suffered damage (in transit) shall be accepted under the reserve of compensation claims against the carrier, asserting the damage incurred.

3.4 SYNTHON shall not be liable for force majeure, consequences of strike, interruption of transport and other circumstances that SYNTHON has no power to control.

3.5 SYNTHON shall have the right to make the performance of contracts conditional on the provision of security, rescinding the contract in case inadequate security should be provided. SYNTHON shall be authorized to withhold services to be provided by it if and to the extent that Customer should be in breach of its contractual obligations.

4. Terms of payment

4.1 Unless agreed otherwise, all invoices of SYNTHON shall be due for payment within 30 days from the invoice date. In case of delayed payment

interest on arrears in the amount of 8 percent points above the basic rate of interest pursuant to Article 247 BGB shall be deemed as owed.

4.2 Payments shall not be deemed made until the amount is made available to SYNTHON unconditionally and not subject to defence.

5. Reservation of title

5.1 The goods supplied by SYNTHON, pending full settlement of all claims unsettled at the time of delivery, shall remain SYNTHON's unrestricted property.

5.2 In case of resale, Customer shall assign its purchase price claim including all subsidiary rights to SYNTHON; SYNTHON hereby accepts such assignment. Should any goods supplied by SYNTHON be processed, SYNTHON shall acquire joint property rights in the resultant products in proportion of the value of the reserved merchandise to the material otherwise used by Customer for manufacturing purposes.

6. Notification of defects of quality; Warranty; Liability

6.1 SYNTHON shall warrant that its products are in line with the description set out in its brochures, specifications and test certificates. However, SYNTHON will not assume liability for the fitness of its products for Customer's purported use. Incidentally, SYNTHON will not be liable, except for fatal and physical injury or health risk, unless in case of action with aforethought or gross negligence.

6.2 Customer undertakes to check the merchandise immediately after receipt thereof. In case the inspection reveals apparent defects, Customer shall advise SYNTHON thereof, without delay, or within 30 days after the receipt of goods at the latest, sending a copy of the delivery note or the like. Hidden defects shall be notified within 2 months after the defect could have or actually has been discovered. In case a defect has occurred SYNTHON shall have the right to remedy the same. In case remedial efforts have failed twice, Customer shall be entitled to a rebate or shall be authorized to rescind the contract.

6.3 The period of prescription for claims based on defects shall be one year. Exempted herefrom shall be claims under SYNTHON's warranty or in respect of which SYNTHON is liable because it has wilfully concealed a defective condition of which it had been aware.

7. Place of Performance; Applicable law

The place of performance in respect of the delivery of goods to be supplied by SYNTHON and in respect of the services to be provided by Customer shall be the place of business of SYNTHON. Incidentally, the law of the Federal Republic of Germany shall apply, waiving the rules of the UN Convention on Contracts for the International Sale of Goods and of the German International Private Law.

8. Salvatorian Clause

Should a provision contained in these General Terms and Conditions of Business be or become invalid in whole or in part, the validity of the contracts concluded, incorporating the present General Terms and Conditions of Business, would be left unaffected thereby. The invalid provision, within the scope of existing contract relationships, should then be replaced by a provision coming closest to the economic object pursued by the parties hereto by the invalid provision. The same applies once it has proved that the provisions of these General Terms and Conditions of Business, by inadvertence, contain a gap.

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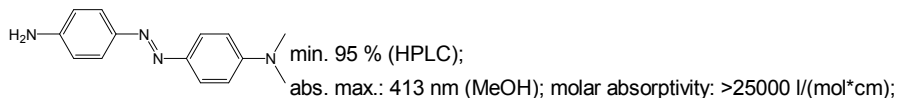
FUNCTIONAL AND FLUORESCENT DYES: AZO DYES

4-Amino-4'-dimethylaminoazobenzene

ST03254

539-17-3

C14H16N4

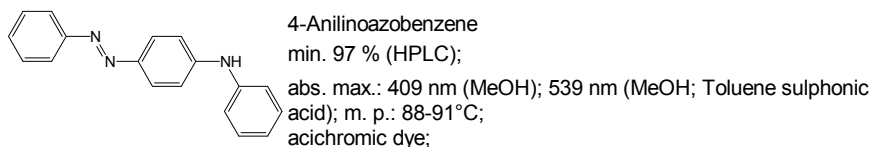


4-(Phenylazo)diphenylamine

ST00347

101-75-7

C18H15N3

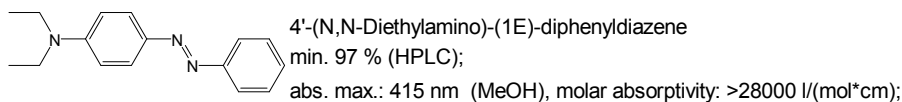


4-(N,N-Diethylamino)azobenzene

ST01968

2481-94-9

C16H19N3

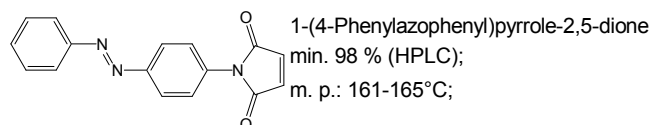


4-Phenylazomaleinanil

ST04404

16201-96-0

C16H11N3O2

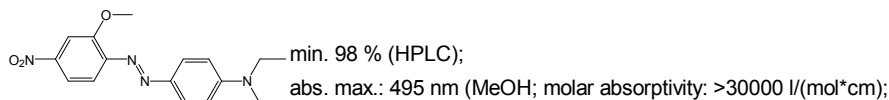


N,N-Diethyl-4-[(2-methoxy-4-nitro)phenylazo]aniline

ST02590

6373-95-1

C17H20N4O3

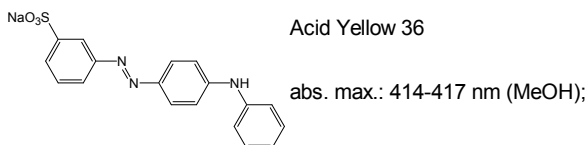


Metanil yellow

ST02092

587-98-4

C18H14N3NaO3S

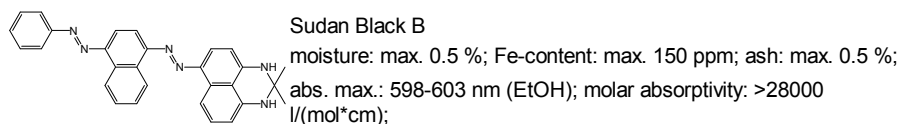


Solvent Black 3 (C.I. 26150)

ST04351

4197-25-5

C29H24N6



INQUIRIES and ORDERS

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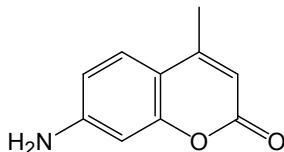
FUNCTIONAL AND FLUORESCENT DYES: COUMARINES

7-Amino-4-methylcoumarin

ST01790

26093-31-2

C₁₀H₉NO₂



Coumarin 120, Coumarin 440

min. 98 % (HPLC);

abs. max.: 348-552 nm (EtOH); molar absorptivity: >18000

l/(mol*cm); emiss. max.: 435 nm (EtOH);

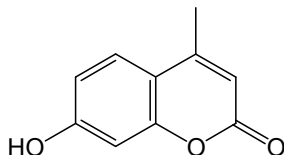
laser dye for pulsed and CW operation, tunable around 440 nm;

7-Hydroxy-4-methylcoumarin

ST01789

90-33-5

C₁₀H₈O₃



Coumarin 4, Coumarin 456, Umbelliferone 47

min. 98 % (HPLC);

abs. max.: 372 nm (MeOH); molar absorptivity: >21000 l/(mol*cm);

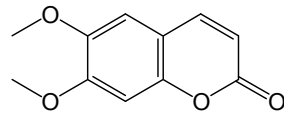
emiss. max.: 445 nm;

6,7-Dimethoxycoumarine

ST03759

120-08-1

C₁₁H₁₀O₄



Scoparone

min. 97.5 % (HPLC);

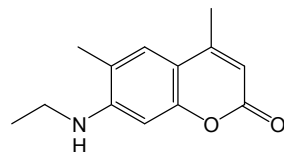
m. p.: 144-146°C;

4,6-Dimethyl-7-ethylaminocoumarin

ST01788

26078-25-1

C₁₃H₁₅NO₂



Coumarin 2, Coumarin 450

min. 97 % (HPLC);

abs. max.: 366 nm; molar absorptivity: >20000 l/(mol*cm); emiss.

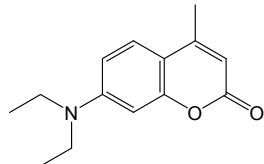
max.: 435 nm;

7-Diethylamino-4-methylcoumarin

ST01778

91-44-1

C₁₄H₁₇NO₂



Coumarin 1, Coumarin 47

min. 99 % (GC);

abs. max.: 373 nm (EtOH); molar absorptivity: >21000 l/(mol*cm);

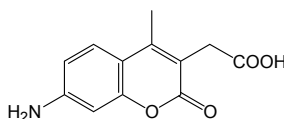
m. p.: 71-75°C;

7-Amino-4-methyl-2-oxo-2H-chromen-3-ylacetic acid

ST00534

106562-32-7

C₁₂H₁₁NO₄



7-Amino-4-methyl-3-coumarinyl acetic acid

min. 90 % (HPLC);

emiss. max.: 433 nm; exc.: 350 nm (MeOH);

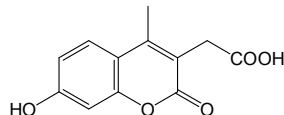
fluorescent dye for biolabelling;

(7-Hydroxy-4-methyl-cumarone-3-yl)acetic acid

ST00362

5852-10-8

C₁₂H₁₀O₅



min. 98 % (HPLC);

emiss. max.: 450 nm; exc.: 360 nm (0.1 Tris pH 9.0);

fluorescent dye for biolabelling;

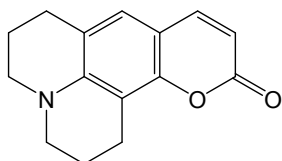
FUNCTIONAL AND FLUORESCENT DYES: COUMARINES

Coumarin 6H

ST01794

58336-35-9

C₁₅H₁₅NO₂



Coumarin 540H

min. 98 % (HPLC);

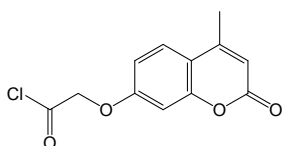
abs. max.: 390 nm (EtOH); molar absorptivity: >21600 l/(mol*cm);

7-(Chlorocarbonylmethoxy)-4-methylcoumarin

ST01885

91454-65-8

C₁₂H₉ClO₄



4-Methylcoumarin-7-yloxyacetyl chloride

min. 97 % (titr.);

m. p.: 127-130°C;

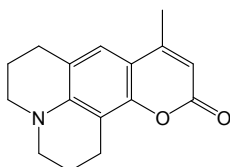
fluorescent dye for biolabelling;

Coumarin 102

ST01792

41267-76-9

C₁₆H₁₇NO₂



Coumarin 480

abs. max.: 390-392 nm (EtOH); molar absorptivity: >21600

l/(mol*cm); emiss. max.: 466 nm;

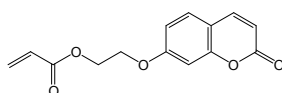
laser dye for pulsed and cw operation, tunable around 480 nm;

7-((2-Acryloyloxy)ethyloxy)coumarin

ST04292

917988-37-5

C₁₄H₁₂O₅



Acrylic acid 2-(2-oxo-2H-chromen-7-yloxy)ethyl ester

min. 95 % (HPLC);

abs. max.: 319-321 nm; molar absorptivity: >13000 l/(mol*cm);

emiss. max.: 384 nm;

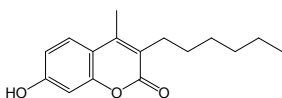
polymerizable coumarin with violet emission;

3-n-Hexyl-7-hydroxy-4-methylcoumarin

ST04291

109565-17-5

C₁₆H₂₀O₃



3-Hexyl-7-hydroxy-4-methyl-chromen-2-one

min. 97 % (HPLC); abs.max.: 318.5 nm;

molar absorptivity: 15000 l/(mol*cm); emiss. max.: 382 nm; m. p.:

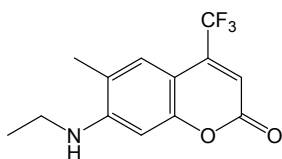
113-114°C;

Coumarin 307

ST01229

55804-70-1

C₁₃H₁₂F₃NO₂



Coumarin 503

m. p.: 182-184°C;

abs. max.: 395 nm (EtOH); molar absorptivity: >18500 l/(mol*cm);

emiss. max. (EtOH): 490 nm;

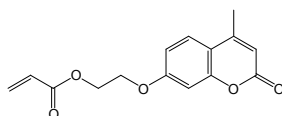
laser dye for pulsed and CW operation;

7-((2-Acryloyloxy)ethyloxy)-4-methylcoumarin

ST04293

124246-69-1

C₁₅H₁₄O₅



Acrylic acid 2-(4-methyl-2-oxo-2H-chromen-7-yloxy)ethyl ester

min. 95 % (HPLC);

abs. max.: 318-320 nm; molar absorptivity: >13000 l/(mol*cm);

emiss. max.: 381 nm;

polymerizable coumarin with violet emission;

INQUIRIES and ORDERS

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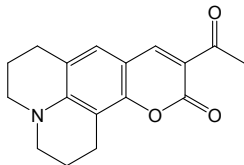
FUNCTIONAL AND FLUORESCENT DYES: COUMARINES

Coumarin 334

ST01797

55804-67-6

C17H17NO3



Coumarin 521

min. 98 % (HPLC);

abs. max.: 452 nm (EtOH); molar absorptivity: >47500 l/(mol*cm);

emiss. max.: 495 nm;

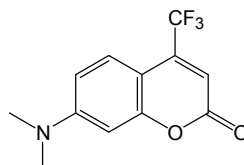
laser dye for pulsed and cw operation, tunable around 480 nm;

Coumarin 152

ST01230

53518-14-2

C14H14F3NO2



Coumarin 485 * C2F

min. 97 % (HPLC); m. p.: 147-149°C;

abs. max.: 396-398 nm (EtOH); molar absorptivity: >19000

l/(mol*cm); emiss. max.: 510 nm;

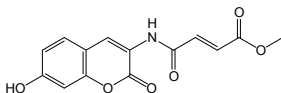
laser dye for pulsed and cw operation, tunable around 520 nm;

3-(7-Hydroxy-2-oxo-2H-chromen-3-ylcarbamoyl)acrylic acid methylester

ST04235

173888-41-9

C14H11NO6



min. 95 % (HPLC);

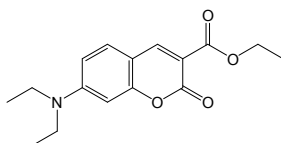
abs. max.: 347 nm (MeOH); molar absorptivity: >20000 l/(mol*cm);

Ethyl 7-Diethylaminocoumarin-3-carboxylate

ST02061

28705-46-6

C16H19NO4



7-Diethylaminocoumarin-3-carboxylic acid ethyl ester

min. 98 % (HPLC);

abs. max.: 416-420 nm (EtOH); molar absorptivity: >45000

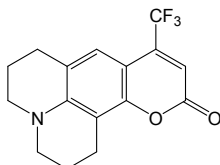
l/(mol*cm);

Coumarin 153

ST01599

53518-18-6

C16H14NO2F3



Coumarin 540A

min. 97 % (HPLC);

abs. max.: 423 nm (EtOH); molar absorptivity: >18900 l/(mol*cm);

emiss. Max.: 480 nm;

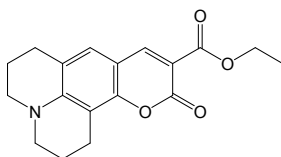
laser dye for pulsed and cw operation, tunable around 500 nm;

Coumarin 314

ST01208

55804-66-5

C18H19NO4



Coumarin 504

min. 98 % (HPLC);

abs. max.: 437 nm (EtOH); molar absorptivity: >46000 l/(mol*cm);

lasing peak: 503 nm; emiss. max.: 480 nm;

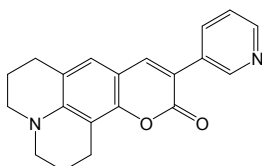
laser dye for pulsed and cw operation, tunable around 505 nm;

Coumarin 510

ST03242

87349-92-6

C20H18N2O2



2,3,5,6-1H,4H-Tetrahydro-9-(3-pyridyl)quinolizino[9,9a,1-g]coumarin

min. 97 % (HPLC);

abs. max.: 425 nm (EtOH); molar absorptivity: >34000 l/(mol*cm);

laser dye for pulsed and cw operation, tunable around 510 nm;

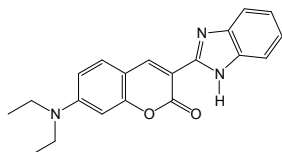
FUNCTIONAL AND FLUORESCENT DYES: COUMARINES

Coumarin 7

ST01787

27425-55-4

C₂₀H₁₉N₃O₂



Coumarin 535

min. 99 % (HPLC);

abs. max.: 433 nm; molar absorptivity: >50500 l/(mol*cm); emiss.

max.: 493 nm;

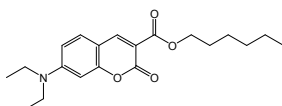
laser dye for pulsed and cw operation, tunable around 530 nm;

n-Hexyl 7-diethylaminocoumarin-3-carboxylate

ST04535

851963-03-6

C₂₀H₂₇NO₄



min. 98 % (HPLC);

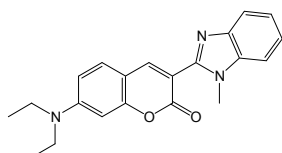
m. p.: 65-69°C;

Coumarin 30

ST01796

41044-12-6

C₂₁H₂₁N₃O₂



Coumarin 515

min. 99 % (HPLC);

abs. max.: 415 nm (EtOH); molar absorptivity: >40000 l/(mol*cm);

emiss. max.: 488 nm;

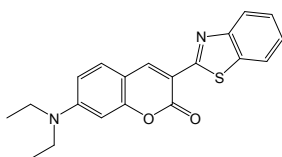
laser dye for pulsed and cw operation, tunable around 510 nm;

Coumarin 6

ST01786

38215-36-0

C₂₀H₁₈N₂O₂S



Coumarin 540

min. 99 % (HPLC);

abs. max.: 458 nm (EtOH); molar absorptivity: >50000 l/(mol*cm);

emiss. max.: 505 nm;

laser dye for pulsed and cw operation, tunable around 540 nm;

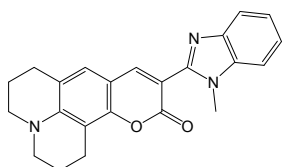
green dopant for OLED;

9-(1-Methyl-benzimidazol-2-yl)-2,3-5-6-tetrahydroquinolizino[9,9a,1-gh]coumarin

ST03595

601506-57-4

C₂₃H₂₁N₃O₂



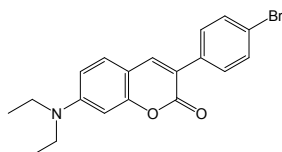
min. 97 % (HPLC);

3-(4-Bromophenyl)-7-diethylaminochromen-2-one

ST04185

720674-46-4

C₁₉H₁₈BrNO₂



min. 97 % (HPLC);

abs. max.: 405 nm (EtOH); molar absorptivity: >30000 l/(mol*cm);

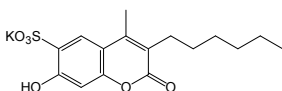
m. p.: 159-163°C;

3-n-Hexyl-7-hydroxy-4-methylcoumarinyl-6-sulfonic acid potassium salt

ST04242

123133-94-8

C₁₆H₁₉KO₆S



min. 95 % (HPLC);

abs. max.: 322 nm (MeOH); molar absorptivity: >16300 l/(mol*cm);

emiss. max.: 386 nm (MeOH); m. p.: 175-185°C;

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FUNCTIONAL AND FLUORESCENT DYES: COUMARINES

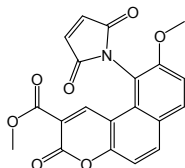
Methyl 10-(2,5-dioxo-2,5-dihydro-1H-pyrrol-1-yl)-9-methoxy-3-oxo-3H-benzo[f]chromene-2-carboxylate

ST06405

137350-66-4

C20H13NO7

NEW



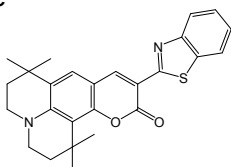
min. 90 % (HPLC)

10-(2-Benzothiazolyl)-2,3,6,7-tetrahydro-2,2,6,6-tetramethyl-1H-5H-[1]benzopyrano[6,7,8-ii]quinolizin-11-one

ST01878

155306-71-1

C26H26N2O2S



C545T

min. 97 % (HPLC);

abs. max.: 475-479 nm (EtOH); emiss. max.: 510-514 nm;

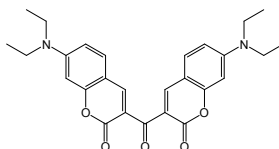
green dopant for OLED;

3,3'-Carbonyl-bis(7-diethylaminocoumarine)

ST00804

63226-13-1

C27H28N2O5



min. 97 % (HPLC);

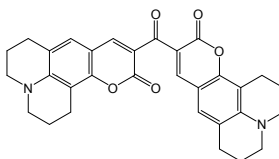
abs. max.: 447-451 nm (Toluene); molar absorptivity: >80000 l/(mol*cm); m. p.: 214-217°C;

Bis(2,3,5,6-1H,4H-Tetrahydroquinolizino[9,9a,1-gh]coumarin-3-yl)carbonyl

ST03869

83179-50-4

C31H28N2O5



min. 97 % (HPLC);

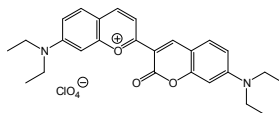
abs. max.: 469 nm; m. p.: 332°C (dec.);

7-Diethylamino-2-(7-diethylamino-chroman-2-one-3-yl)chromylium perchlorate

ST00197

81190-25-2

C26H29ClN2O7



abs. max.: 670 nm (CH₂Cl₂); molar absorptivity: 80000 l/(mol*cm);

lasing wavelength: 764 nm; lasing range: 715-805 nm; solvent:

CH₂Cl₂; laser efficiency: 5%;

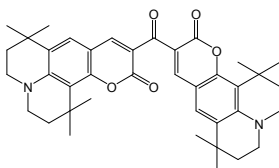
new laser dye: improved solubility and stability, high lasing efficiency, large tuning range;

Bis(1,1,6,6-tetramethyl-2,3,5,6-1H,4H-tetrahydroquinolizino[9,9a,1-gh]coumarin-3-yl)carbonyl

ST03876

168412-88-2

C39H44N2O5



min. 98 % (HPLC);

abs. max.: 478 nm; m. p.: 306-308°C;

FUNCTIONAL AND FLUORESCENT DYES: CYANINES / POLYMETHINES

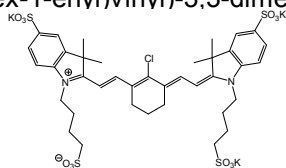
Tripotassium 2-(2-(2-chloro-3-(2-(3,3-dimethyl-5-sulfonato-1-(4-sulfonatobutyl)indolin-2-ylidene)-ethylidene)cyclohex-1-enyl)vinyl)-3,3-dimethyl-1-(4-sulfonatobutyl)-3H-indolium-5-sulfonate

ST01289

138081-45-5

C38H44ClK3N2O12

S4



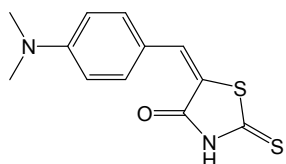
abs. max.: 790 nm (MeOH); molar absorptivity: >260000 l/(mol*cm);

5-[(4-Dimethylamino)benzylidene]rhodanine

ST00762

536-17-4

C12H12ON2S2



97-103 % (titr.);

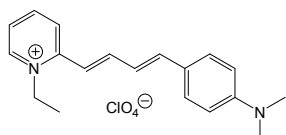
abs. max.: 451 nm (MeOH); m. p.: 285-288°C;

1-Ethyl-2-[4-(4-Dimethylaminophenyl)-1,3-butadien-1-yl]pyridinium perchlorate

ST02615

87004-02-2

C19H23ClN2O4



Pyridin 1, LDS 698

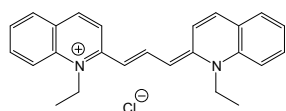
abs. max.: 488-492 nm (EtOH); molar absorptivity: >32000 l/(mol*cm); m. p.: 200-210°C;

2,2'-Trimethinequinocyanine chloride

ST04388

2768-90-3

C25H25ClN2



Quinaldine blue, Pinacyanol chloride

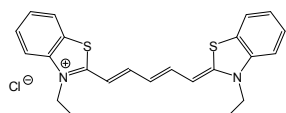
abs. max.: 563 and 607 nm; molar absorptivity.: >80000 and >180000 l/(mol*cm);

3-Ethyl-2-(5-(3-ethylbenzo[d]thiazol-2(3H)-ylidene)penta-1,3-dienyl)benzo[d]thiazol-3-ium chloride

ST00081

54646-38-7

C23H23ClN2S2



abs. max.: 655 nm (MeOH); molar absorptivity: >20000 l/(mol*cm);

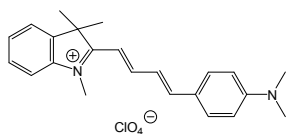
sensitizer for photography;

Styryl 6

ST03239

76433-27-7

C23H27ClN2O4



abs. max.: 615 nm (EtOH); molar absorptivity: >73800 l/(mol*cm);

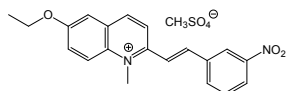
laser dye;

Pinacryptol yellow

ST01367

25910-85-4

C21H22N2O7S



min. 97 % (HPLC);

abs. max.: 382-386 nm (CH3OH); molar absorptivity: >22000 l/(mol*cm); m. p.: 265°C;

desensitizer for silver halide photographic emulsions;

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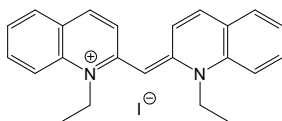
FUNCTIONAL AND FLUORESCENT DYES: CYANINES / POLYMETHINES

1-Ethyl-2-[(1-ethylquinolin-2(1H)-ylidene)methyl]quinolinium iodide

ST00067

977-96-8

C23H23IN2



min. 97 % (UV-VIS at 523 nm);

abs. max.: 523 nm (MeOH); molar absorptivity: >74000 l/(mol*cm);

m. p.: 170-176°C;

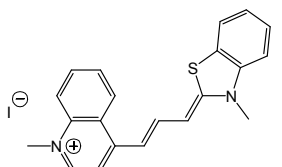
sensitizer for photography;

1,3'-Dimethyl-4,2'-quinolythiacarbocyanine iodide

ST06294

2642-25-3

C21H19IN2S



Abs. max. 629,0

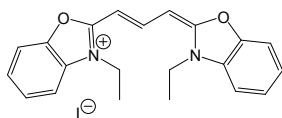
mol. Ext. 131000

3,3'-Diethyloxacarbo-cyanine iodide

ST03229

905-96-4

C21H21IN2O2



DOCI

abs. max.: 485 nm (EtOH); molar absorptivity: >126000 l/(mol*cm);

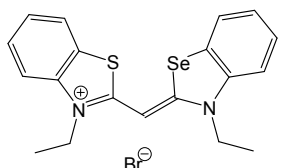
laser dye; solvent soluble cyanine dye;

3-Ethyl-2-((3-ethylbenzo[d][1,3]selenazol-2(3H)-ylidene)methyl)benzo[d]thiazol-3-ium bromide

ST02186

143269-59-4

C19H19BrN2SSe



abs. max.: 426 nm (MeOH); molar absorptivity: >72000 l/(mol*cm);

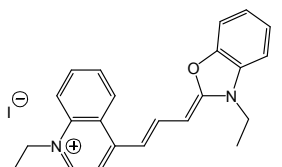
m. p.: 290-295°C;

1-Ethyl-4-((1E,3Z)-3-(3-ethylbenzo[d]oxazol-2(3H)-ylidene)prop-1-enyl)quinolinium iodide

ST06295

32151-96-5

C23H23IN2O



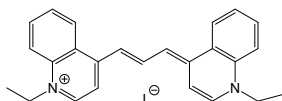
abs. max. 629,0; molar absorptivity: 131000

1,1'-Diethyl-4,4'-carbocyanine iodide

ST01380

4727-50-8

C25H25IN2



Cryptocyanine

min. 97 % (titr.);

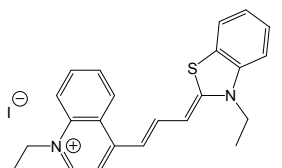
abs. max.: 706 nm (MeOH); molar absorptivity: >225000 l/(mol*cm);

1,3'-Diethyl-4,2'-quinolythiacarbocyanine iodide

ST03230

2642-25-3

C23H23IN2S



DQTCI, LC 6290

abs. max.: 629 nm (MeOH); molar absorptivity: >131000 l/(mol*cm);

laser dye;

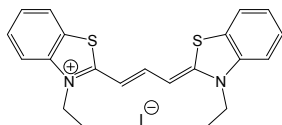
FUNCTIONAL AND FLUORESCENT DYES: CYANINES / POLYMETHINES

3-Ethyl-2-(3-(3-ethylbenzo[d]thiazol-2(3H)-ylidene)prop-1-enyl)benzo[d]thiazol-3-ium iodide

ST00074

905-97-5

C21H21IN2S2



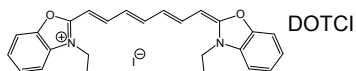
abs. max.: 563 nm (CH₂Cl₂), 556 nm (MeOH); molar absorptivity: >150000 l/(mol*cm);
sensitizer for photography; solvent soluble cyanine dye;

3-Ethyl-2-[7-(3-ethyl-3H-benzoxazol-2-ylidene)hepta-1,3,5-trienyl]benzoxazolium iodide

ST04011

15185-43-0

C25H25IN2O2



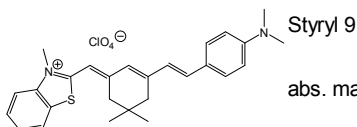
abs. max.: 965 nm (DMSO); molar absorptivity: >175000 l/(mol*cm);

Styryl 9M

ST03358

82988-08-7

C27H31ClN2O4S



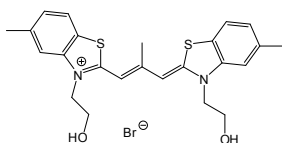
abs. max.: 585 nm (EtOH); molar absorptivity: >50500 l/(mol*cm);
laser dye;

3,3'-Dihydroxyethyl-5,5'-dimethyl-9-methylthiacarbocyanine bromide

ST00657

36393-83-6

C24H27BrN2O2S2



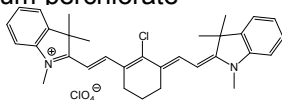
abs. max.: 551 nm; molar absorptivity: >120000 l/(mol*cm);

2-(2-(2-Chloro-3-(2-(1,3,3-trimethylindolin-2-ylidene)ethylidene)cyclohex-1-enyl)vinyl)-1,3,3-trimethyl-3H-indolium perchlorate

ST00949

102185-03-5

C32H36Cl2N2O4



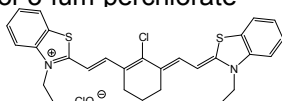
abs. max.: 775 nm (MeOH); molar absorptivity: >260000 l/(mol*cm);
antihalation dye;

2-(2-(2-Chloro-3-(2-(3-ethylbenzo[d]thiazol-2(3H)-ylidene)ethylidene)cyclohex-1-enyl)vinyl)-3-ethylbenzo[d]thiazol-3-ium perchlorate

ST00946

219595-74-1

C28H28Cl2N2O4S2



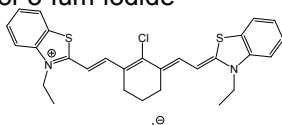
abs. max.: 794 nm (MeOH); molar absorptivity: >230000 l/(mol*cm);
sensitizer for silver halide materials;

2-(2-(2-Chloro-3-(2-(3-ethylbenzo[d]thiazol-2(3H)-ylidene)ethylidene)cyclohex-1-enyl)vinyl)-3-ethylbenzo[d]thiazol-3-ium iodide

ST00971

65303-15-3

C28H28ClIN2S2



abs. max.: 795 nm (MeOH); molar absorptivity: >230000 l/(mol*cm);

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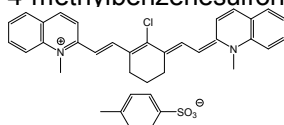
FUNCTIONAL AND FLUORESCENT DYES: CYANINES / POLYMETHINES

2-(2-(2-Chloro-3-(2-(1-methylquinolidine-2-ylidene)ethylidene)cyclohex-1-enyl)vinyl)-1-methylquinolinium 4-methylbenzenesulfonate

ST00959

287194-09-6

C37H35ClN2O3S



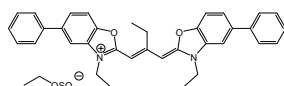
abs. max.: 844 nm (MeOH); molar absorptivity: >170000 l/(mol*cm);

3-Ethyl-2-((3-ethylbenzo[d]oxazol-2(3H)-ylidene)methyl)but-1-enyl)benzo[d]oxazol-3-ium ethylsulfate

ST00069

41503-61-1

C37H38N2O6S



abs. max.: 502 nm (MeOH); molar absorptivity: >160000 l/(mol*cm);

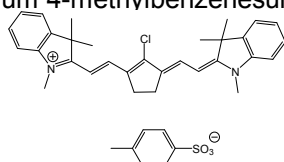
sensitizer for photography;

2-(2-(2-Chloro-3-(2-(1,3,3-trimethylindolin-2-ylidene)ethylidene)cyclopent-1-enyl)vinyl)-1,3,3-trimethyl-3H-indolium 4-methylbenzenesulfonate

ST00990

193687-61-5

C38H41ClN2O3S



abs. max.: 798 nm (MeOH); molar absorptivity: >280000 l/(mol*cm);

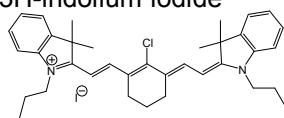
solvent soluble cyanine dye;

2-(2-(2-Chloro-3-(2-(3,3-dimethyl-1-propylindolin-2-ylidene)ethylidene)cyclohex-1-enyl)vinyl)-3,3-dimethyl-1-propyl-3H-indolium iodide

ST03087

207399-07-3

C36H44ClIN2



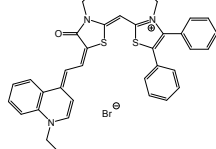
abs. max.: 781 nm (MeOH); molar absorptivity: >79000 l/(mol*cm);

3-Ethyl-2-((3-ethyl-5-(2-(1-ethylquinolin-4(1H)-ylidene)ethylidene)-4-oxothiazolidin-2-ylidene)methyl)-4,5-diphenylthiazol-3-ium bromide

ST00100

51257-37-5

C36H34BrN3OS2



abs. max.: 669 nm (MeOH); molar absorptivity: >119000 l/(mol*cm);

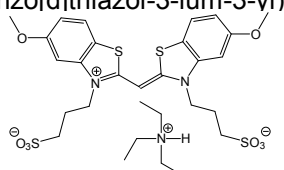
sensitizer for photography;

Triethylammonium 3-(5-methoxy-2-((5-methoxy-3-(3-sulfonatopropyl)benzo[d]thiazol-2(3H)-ylidene)methyl)benzo[d]thiazol-3-ium-3-yl)propane-1-sulfonate

ST02125

63148-97-0

C29H41N3O8S4



abs. max.: 440 nm (MeOH); molar absorptivity: >79000 l/(mol*cm);

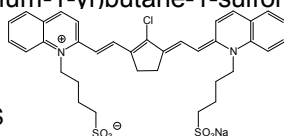
sodium 4-(2-(2-(2-chloro-3-(2-(1-(4-sulfonatobutyl)quinolin-2(1H)-ylidene)ethylidene)cyclopent-1-enyl)vinyl)quinolinium-1-yl)butane-1-sulfonate

ST01226

287183-28-2

C35H36ClN2NaO6S

2



abs. max.: 876 nm (MeOH); molar absorptivity: >141000 l/(mol*cm);

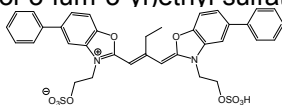
FUNCTIONAL AND FLUORESCENT DYES: CYANINES / POLYMETHINES

2-(5-phenyl-2-(2-((5-phenyl-3-(2-(sulfooxy)ethyl)benzo[d]oxazol-2(3H)-ylidene)methyl)but-1-enyl)benzo[d]oxazol-3-ium-3-yl)ethyl sulfate

ST02185

27746-90-3

C35H32N2O10S2



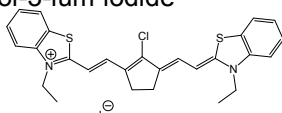
abs. max.: 503 nm (MeOH); molar absorptivity: >135000 l/(mol*cm);

2-(2-(2-Chloro-3-(2-(3-ethylbenzo[d]thiazol-2(3H)-ylidene)ethylidene)cyclopent-1-enyl)vinyl)-3-ethylbenzo[d]thiazol-3-ium iodide

ST01139

65303-14-2

C27H26ClIN2S2



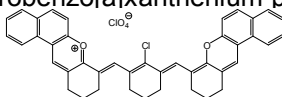
abs. max.: 818 nm (MeOH); molar absorptivity: >245000 l/(mol*cm);

8-((2-Chloro-3-((10,11-dihydro-9H-benzo[a]xanthen-8-yl)methylene)cyclohex-1-enyl)methylene)-8,9,10,11-tetrahydrobenzo[a]xanthenium perchlorate

ST00186

62580-63-6

C42H34Cl2O6



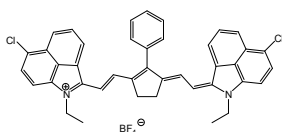
abs. max.: 1055 nm (CH2Cl2);

IR 1051

ST01965

100012-45-1

C41H33BCl2F4N2



abs. max.: 1042 nm (MeOH/HCOOH);

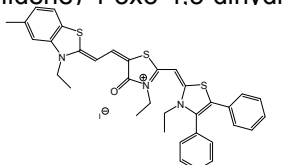
IR-absorber;

3-Ethyl-2-((3-ethyl-4,5-diphenylthiazol-2(3H)-ylidene)methyl)-5-(2-(3-ethyl-5-methylbenzo[d]thiazol-2(3H)-ylidene)ethylidene)-4-oxo-4,5-dihydrothiazol-3-ium iodide

ST02109

143269-96-9

C35H34N3OIS3



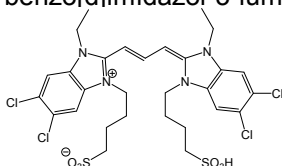
abs. max.: 594 nm (MeOH); molar absorptivity: >100000 l/(mol*cm);
m. p.: 281-284 °C;

4-(5,6-Dichloro-2-(3-(5,6-dichloro-1-ethyl-3-(4-sulfobutyl)-1H-benzo[d]imidazol-2(3H)-ylidene)prop-1-enyl)-1-ethyl-1H-benzo[d]imidazol-3-ium-3-yl)butane-1-sulfonate

ST01058

10049-96-4

C29H34Cl4N4O6S2



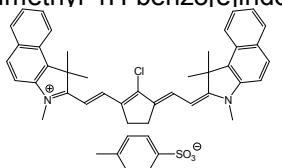
abs. max.: 518 nm (MeOH); molar absorptivity: >90000 l/(mol*cm)
(as Triethylammonium salt);

2-(2-(2-Chloro-3-(2-(1,1,3-trimethyl-1H-benzo[e]indol-2(3H)-ylidene)ethylidene)cyclopent-1-enyl)vinyl)-1,1,3-trimethyl-1H-benzo[e]indolium 4-methylbenzenesulfonate

ST01133

287182-34-7

C46H45ClN2O3S



abs. max.: 838 nm (MeOH); molar absorptivity: >230000 l/(mol*cm);

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FUNCTIONAL AND FLUORESCENT DYES: CYANINES / POLYMETHINES

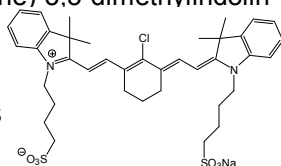
Sodium 4-(2-(2-(2-chloro-3-(2-(3,3-dimethyl-1-(4-sulfonatobutyl)-3H-indolium-2-yl)vinyl)cyclohex-2-enylidene)ethylidene)-3,3-dimethylindolin-1-yl)butane-1-sulfonate

ST00947

115970-66-6

C₃₈H₄₆ClN₂NaO₆S

2



abs. max.: 783 nm (MeOH); molar absorptivity: >240000 l/(mol*cm);

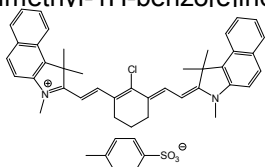
antihalation dye; water soluble cyanine dye;

2-(2-(2-Chloro-3-(2-(1,1,3-trimethyl-1H-benzo[e]indol-2(3H)-ylidene)ethylidene)cyclohex-1-enyl)vinyl)-1,1,3-trimethyl-1H-benzofelindolium 4-methylbenzenesulfonate

ST00798

134127-48-3

C₄₇H₄₇ClN₂O₃S



abs. max.: 813 nm (MeOH); molar absorptivity: >235000 l/(mol*cm);

min. 97.5 % (HPLC);

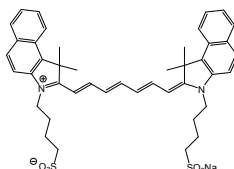
NIR dye for thermic off-set printing systems (CTP). Used in systems with laser diodes; emitting at 830 nm;

Indocyanin Green

ST00084

3599-32-4

C₄₃H₄₇N₂NaO₆S₂



Fox Green

min. 98 % (HPLC);

abs. max.: 784 nm (MeOH); molar absorptivity: >235000 l/(mol*cm);

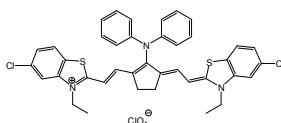
sensitizer for photography;

IR 140

ST01844

53655-17-7

C₃₉H₃₄Cl₃N₃O₄S₂



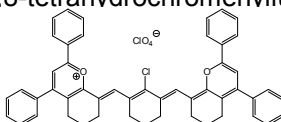
abs. max.: 805 nm (MeOH); molar absorptivity: >160000 l/(mol*cm);

8-((2-Chloro-3-((2,4-diphenyl-6,7-dihydro-5H-chromen-8-yl)methylene)cyclohex-1-enyl)methylene)-2,4-diphenyl-5,6,7,8-tetrahydrochromenylium perchlorate

ST01291

61010-07-9

C₅₀H₄₂Cl₂O₆



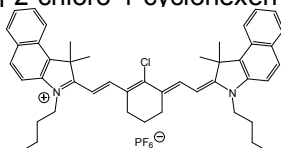
abs. max.: 1120 nm (CH₂Cl₂); molar absorptivity: >113000 l/(mol*cm);

3-Butyl-2-[(E)-2-((3E)-3-[(ZZ)-2-(3-butyl-1,1-dimethyl-1,3-dihydro-2H-benzo[e]indol-2-ylidene)ethylidene]-2-chloro-1-cyclohexen-1-yl)vinyl]-1,1-dimethyl-1H-benzofelindolium

ST06261

885691-99-6

C₄₆H₅₂ClF₆N₂P



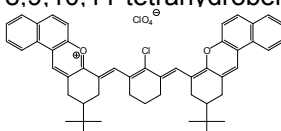
UV/VIS conforms, NMR conforms, HPLC: min. 97 %

10-tert-Butyl-8-((3-(tert-butyl-10,11-dihydro-9H-benzo[a]xanthen-8-yl)methylene)-2-chlorocyclohex-1-enyl)methylene)-8,9,10,11-tetrahydrobenzo[a]xanthenium perchlorate

ST01292

287185-31-3

C₅₀H₅₀Cl₂O₆



abs. max.: 1057 nm (CH₂Cl₂); molar absorptivity: >150000 l/(mol*cm);

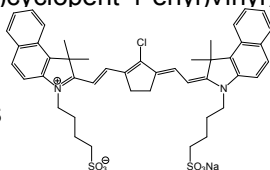
FUNCTIONAL AND FLUORESCENT DYES: CYANINES / POLYMETHINES

Sodium 4-(2-(2-(2-chloro-3-(2-(1,1-dimethyl-3-(4-sulfonatobutyl)-1H-benzo[e]indol-2(3H)-ylidene)ethylidene)cyclopent-1-enyl)vinyl)-1,1-dimethyl-1H-benzo[e]indolium-3-yl)butane-1-sulfonate
ST01651

162093-45-0

C₄₅H₄₈ClN₂NaO₆S

2



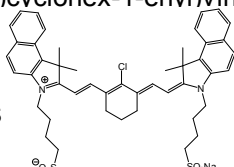
abs. max.: 845 nm (MeOH); molar absorptivity: >220000 l/(mol*cm);

Sodium 4-(2-(2-(2-chloro-3-(2-(1,1-dimethyl-3-(4-sulfonatobutyl)-1H-benzo[e]indol-2(3H)-ylidene)ethylidene)cyclohex-1-enyl)vinyl)-1,1-dimethyl-1H-benzo[e]indolium-3-yl)butane-1-sulfonate
ST01347

172616-80-7

C₄₆H₅₀ClN₂NaO₆S

2



min. 97 % (HPLC);

abs. max.: 818-822 nm (MeOH); mol. absorptivity: >250000

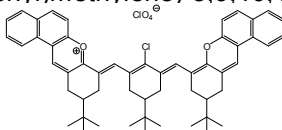
l/(mol*cm);

water soluble cyanine dye;

10-tert-Butyl-8-((5-tert-butyl-3-((10-tert-butyl-10,11-dihydro-9H-benzo[a]xanthen-8-yl)methylene)-2-chlorocyclohex-1-enyl)methylene)-8,9,10,11-tetrahydrobenzo[a]-xanthenium perchlorate
ST01458

847227-39-8

C₅₄H₅₈Cl₂O₆



abs. max.: 1056 nm (CH₂Cl₂); molar absorptivity: >136000 l/(mol*cm);

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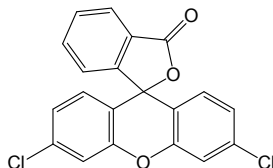
FUNCTIONAL AND FLUORESCENT DYES: FLUORESCEINES

3',6'-Dichlorofluorane

ST01145

630-88-6

C₂₀H₁₀Cl₂O₃



min. 95 % (HPLC);

abs. max.: 296 nm (CH₂Cl₂); molar absorptivity: >4500 l/(mol*cm);

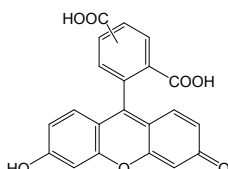
m. p.: 253-258°C;

5(6)-Carboxy-fluorescein, isomer mixture

ST00992

72088-94-9

C₂₁H₁₂O₇



min. 96 % (HPLC, sum of isomers);

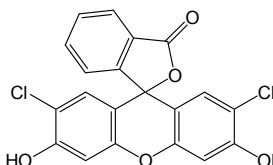
abs. max.: 497 nm (in basic MeOH); molar absorptivity: >70000 l/(mol*cm);

2',7'-Dichlorofluorescein, A.C.S. Reagent

ST00562

76-54-0

C₂₀H₁₀Cl₂O₅



Fluorescein 27

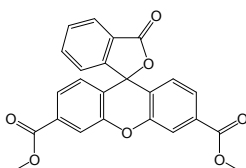
abs. max.: 509 nm (EtOH, 1 drop NaOH); molar absorptivity: >100000 l/(mol*cm); biological stain;

Fluorescein diacetate

ST05360

596-09-8

C₂₄H₁₆O₇



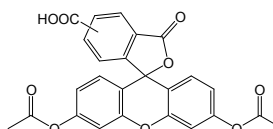
abs. max.: 488-494 nm (0.1 N NaOH); molar absorptivity: >86000 l/(mol*cm); m. p.: 200-203°C;

5(6)-Carboxyfluorescein diacetate

ST04265

124387-19-5

C₂₅H₁₆O₉



min. 95 % (HPLC);

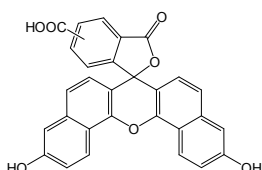
fluorescence max.: 492 nm; em.: 517 nm and pH 8.0 (esterase);

5(6)-Carboxynaphthofluorescein, isomer mixture

ST04691

128724-35-6

C₂₉H₁₆O₇



fluorescence max.: 602 nm; em.: 672 nm (basic, 0.1 M Tris pH 9.0);

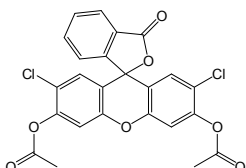
for fluorescence;

2',7'-Dichlorofluorescein diacetate

ST01079

2044-85-1

C₂₄H₁₄Cl₂O₇



min. 97 % (HPLC);

m. p.: 232-234°C;

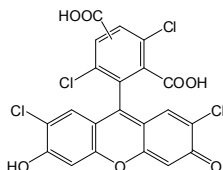
FUNCTIONAL AND FLUORESCENT DYES: FLUORESCEINES

4,7,2',7'-Tetrachloro-5(6)-carboxyfluorescein, mixture of isomers

ST03957

155911-13-0 or 155

C22H12Cl4O7



5(6)TET

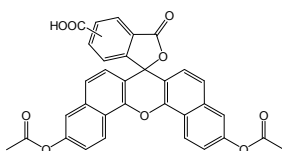
min. 85 % mixture of isomers (HPLC);

5(6)-Carboxynaphthofluorescein diacetate, isomer mixture

ST04690

163831-68-3

C33H20O9



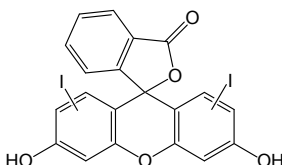
fluorescence ex: 512 nm; em.: 567 nm (acidic/neutral);

Diodofluorescein

ST04361

31395-16-1

C20H10I2O5



90-110 % (titr.);

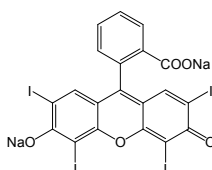
abs. max.: 522 nm; m. p.: ca. 240°C (dec.);

Erythrosin B

ST00672

568-63-8

C20H6I4Na2O5



2',4',5',7'-Tetraiodo-fluoresceine disodium salt

abs. max.: 525 nm (water);

biological stain;

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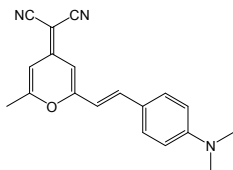
FUNCTIONAL AND FLUORESCENT DYES: MEROCYANINES

4-(Dicyanomethylene)-2-methyl-6-(p-dimethylaminostyryl)-4H-pyran

ST00381

51325-91-8

C₁₉H₁₇N₃O



DCM

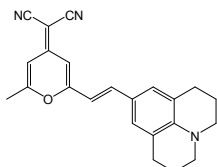
abs. max.: 468 nm (CH₂Cl₂); molar absorptivity: >47000 l/(mol*cm);
emiss. max.: 627 nm (DMSO); lasing wavelength: 661 nm (DMSO);
laser dye for pulsed and cw operation, tunable around 650 nm; red
dopant for OLED;

4-(Dicyanomethylen)-2-methyl-4-((julolidin-6-yl)vin-1-yl)-4H-pyran

ST01198

51325-95-2

C₂₃H₂₁N₃O



DCJ, DCM2

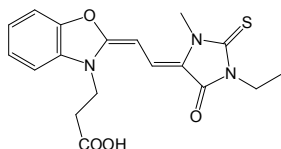
abs. max.: 507 nm (ClCH₂-CH₂Cl); molar absorptivity: >50000
l/(mol*cm); emiss. max.: 730 nm (EtOH);
laser dye, red dopant for OLED;

1-Methyl-3-ethyl-5-[2-(3-(2-carboxyethyl)-benzoxazol-2-ylidene)-ethylidene]-2-thioxo-imidazolidin-4-one

ST00661

219556-03-3

C₁₈H₁₉N₃O₄S



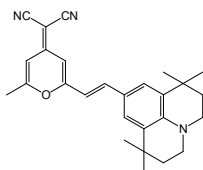
abs. max.: 483 nm (MeOH); molar absorptivity: >70000 l/(mol*cm);

4-(Dicyanomethylen)-2-methyl-4-((1,1,7,7-tetramethyljulolidin-6-yl)vin-1-yl)-4H-pyran

ST01165

159788-00-8

C₂₇H₂₉N₃O



Tetramethyl-DCM2, DCJT

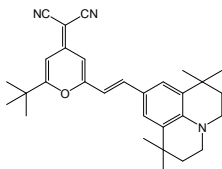
abs. max.: 520 nm (ClCH₂-CH₂Cl); emiss. max.: 615 nm;
red dopant for OLED;

4-(Dicyanomethylen)-2-(tert-butyl)-4-((1,1,7,7-tetramethyljulolidin-6-yl)vin-1-yl)-4H-pyran

ST01911

200052-70-6

C₃₀H₃₅N₃O



DCJTB

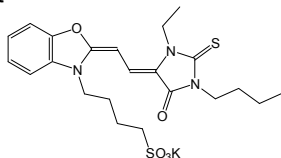
abs. max.: 497 nm (THF); emiss. max.: 604 nm;
red dopant for OLED;

3-Butyl-1-ethyl-5-[2-(3-sulfobutyl-benzo[1,3]oxazolin-2-ylidene)-ethylidene]-2-thioxo-imidazolidin-4-one potassium salt

ST00342

77418-33-8

C₂₂H₂₈KN₃O₅S₂



abs. max.: 484 nm (MeOH); molar absorptivity: >66000 l/(mol*cm);

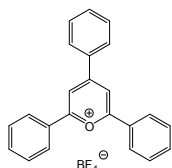
FUNCTIONAL AND FLUORESCENT DYES: PYRYLIUM DYES

2,4,6-Triphenylpyrylium tetrafluoroborate

ST03405

448-61-3

C23H17BF4O



min. 97 % (HPLC);

abs. max.: 369 nm (MeCN); molar absorptivity: >38000 l/(mol*cm);

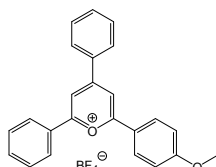
m.p.: 251-257°C;

2,4-Diphenyl-6-(4'-methoxyphenyl)pyrylium tetrafluoroborate

ST00702

2907-13-3

C24H19BF4O2



abs. max.: 357 nm (MeCN); molar absorptivity: >30000 l/(mol*cm);

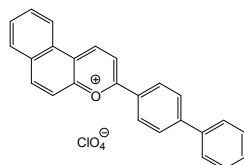
laser dye;

3-(Biphenyl-4-yl)-3H-benzo[f]chromylium perchlorate

ST00194

126634-31-9

C25H17ClO5



abs. max.: 470 nm (MeCN);

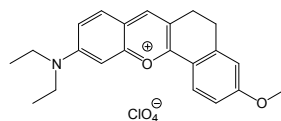
lasing wavelength: 583 nm; lasing range: 542-648 nm; solvent: MeCN; laser efficiency: 8%;
new laser dye: improved solubility and stability, high lasing efficiency, large tuning range;

10-Diethylamino-3-methoxy-6,12a-dihydro-5H-benzo[c]xanthylum perchlorate

ST00195

111068-14-5

C24H22ClNO6



abs. max.: 584 nm (CH2Cl2);

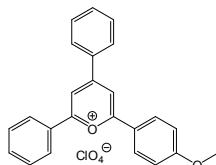
lasing wavelength: 675 nm; lasing range: 640-722 nm; solvent: CH2Cl2; laser efficiency: 5%;
new laser dye: improved solubility and stability, high lasing efficiency, large tuning range;

2,4-Diphenyl-6-(4'-methoxyphenyl)pyrylium perchlorate

ST00703

47501-44-0

C24H19ClO6



abs. max.: 357 nm (MeCN); molar absorptivity: >30000 l/(mol*cm);

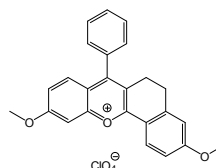
laser dye;

3,10-Dimethoxy-7-phenyl-6,12a-dihydro-5H-benzo[c]xanthylum perchlorate

ST00193

126634-30-8

C25H21ClO7



abs. max.: 488 nm (MeCN);

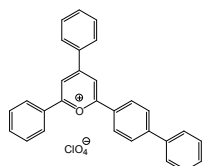
lasing wavelength: 547 nm; lasing range: 518-581 nm; solvent: MeCN; laser efficiency: 16%;
new laser dye: improved solubility and stability, high lasing efficiency, large tuning range;

2-(Biphenyl-4-yl)-4,6-diphenylpyrylium perchlorate

ST00192

3557-64-0

C29H21ClO5



abs. max.: 363.7 nm, 436.4 nm (MeCN);

lasing wavelength: 627 nm; lasing range: 546-691 nm; solvent: MeCN; laser efficiency: 10%;
new laser dye: improved solubility and stability, high lasing efficiency, large tuning range;

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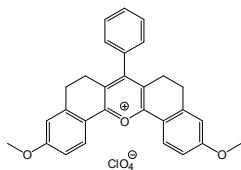
FUNCTIONAL AND FLUORESCENT DYES: PYRYLIUM DYES

3,11-Dimethoxy-7-phenyl-6,8,9,13b-tetrahydro-5H-dibenzo[c,h]xanthylium perchlorate

ST00191/01

108826-49-9

C29H25ClO7



abs. max.: 497 nm (MeCN);

lasing wavelength: 570 nm; lasing range: 546-628 nm; solvent:

MeCN; laser efficiency: 10%;

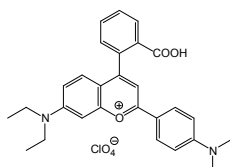
new laser dye: improved solubility and stability, high lasing efficiency, large tuning range;

4-(2-Carboxy-phenyl)-7-diethylamino-2-(4-dimethylamino-phenyl)chromylium perchlorate

ST00183

168206-23-3

C28H29ClN2O7



abs. max.: 603 nm (CH2Cl2); molar absorptivity: >85000 l/(mol*cm);

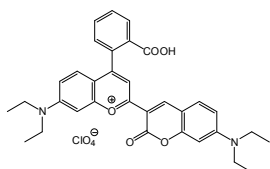
highly fluorescent dye;

4-(2-Carboxy-phenyl)-7-diethylamino-2-(7-diethylamino-chroman-2-one-3-yl)-chromylium perchlorate

ST00184

168206-21-1

C33H33ClN2O9



abs. max.: 661 nm (CH2Cl2); molar absorptivity: >70000 l/(mol*cm);

m. p.: 328-330 °C (dec.);

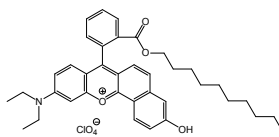
highly fluorescent dye;

10-Diethylamino-7-(2-decyloxy-carbonyl-phenyl)-3-hydroxy-benzo[c]xanthylium perchlorate

ST00187

135656-96-1

C38H44ClNO8



abs. max.: 560 nm (CH2Cl2); molar absorptivity: >37000 l/(mol*cm);

achromatic dye; 670 nm (basic);

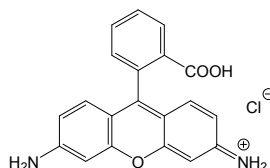
FUNCTIONAL AND FLUORESCENT DYES: RHODAMINES

Rhodamine 110 chloride

ST00708

13558-31-1

C₂₀H₁₅ClN₂O₃



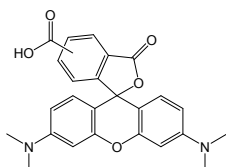
abs. max.: 509 nm (EtOH); molar absorptivity: >90000 l/(mol*cm);
emiss. max.: 535 nm (EtOH);
efficient laser dye for pulsed and CW operation;

5(6)-Carboxy-tetramethylrhodamine

ST01092

98181-63-6

C₂₅H₂₂N₂O₅



5(6)-TAMRA

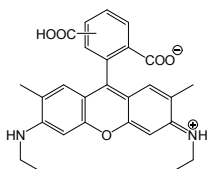
abs. max.: 545 nm (MeOH, NaOH); molar absorptivity: >73000 l/(mol*cm);

5(6)-Carboxyrhodamine 6G

ST06425

C₂₇H₂₆N₂O₅

NEW



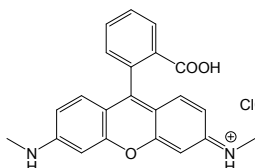
5(6)CR6G

Rhodamine 116 perchlorate

ST00706

62669-77-6

C₂₂H₁₉ClN₂O₇



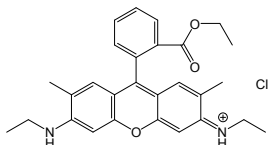
abs. max.: 576 nm (acid EtOH); molar absorptivity: >95000 l/(mol*cm);

Rhodamine 6G

ST00767

989-38-8

C₂₈H₃₁ClN₂O₃



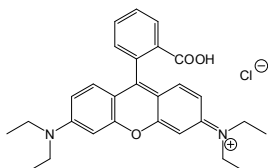
abs. max.: 530 nm (EtOH); molar absorptivity: >105000 l/(mol*cm);
emiss. max.: 575 nm;
laser dye for pulsed and cw operation, tunable around 590 nm;

Rhodamine B

ST03256

81-88-9

C₂₈H₃₁ClN₂O₃



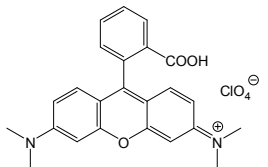
abs. max.: 552 nm (EtOH); molar absorptivity: >107000 l/(mol*cm);
emiss. max.: 580 nm;
laser dye for pulsed and cw operation, tunable around 610 nm;

Tetramethylrhodamine perchlorate

ST00707

62669-72-1

C₂₄H₂₃ClN₂O₇



abs. max.: 543 nm (EtOH); emiss. max.: 568 nm;

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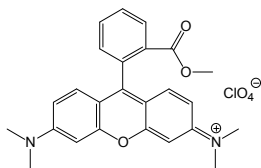
FUNCTIONAL AND FLUORESCENT DYES: RHODAMINES

Tetramethylrhodamine methylester perchlorate

ST01334

115532-50-8

C25H25ClN2O7



TMRM

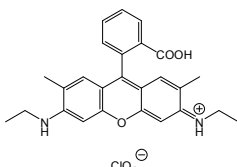
abs. max.: 546 nm (MeOH); molar absorptivity: >95000 l/(mol*cm);

Rhodamine 19

ST03257

62669-66-3

C26H27ClN2O7



abs. max.: 528 nm (EtOH); molar absorptivity: >109000 l/(mol*cm);

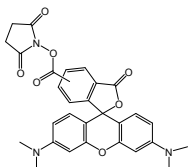
laser dye;

5(6)-Carboxytetramethylrhodamine N-succinimidyl ester

ST02848

150408-83-6

C29H25N3O7



min. 80 % (HPLC);

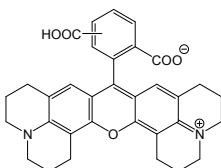
abs. max.: 547 nm (CH3OH); molar absorptivity: >63000 l/(mol*cm);

5(6)-Carboxy-X-rhodamine

ST01159

198978-94-8

C33H30N2O5



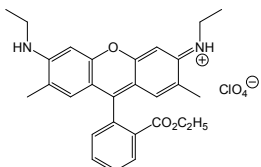
abs. max.: 574 nm (MeOH); molar absorptivity: >55000 l/(mol*cm);

[9-(2-Ethoxycarbonylphenyl)-6-ethylamino-2,7-dimethylxanthen-3-ylidene]ethyl-ammonium perchlorate

ST03236

13161-28-9

C28H31ClN2O7



Rhodamine 6G Perchlorate

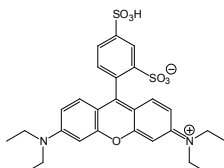
abs. max.: 530 nm (EteOH); molar absorptivity: 100000 l/(mol*cm);

Sulforhodamine B, acid form

ST04041

2609-88-3

C27H30N2O7S2



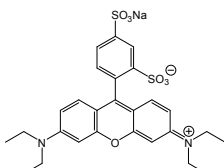
abs. max.: 555-561 nm; molar absorptivity: >100000 l/(mol*cm);

Sulforhodamine B, sodium salt

ST04699

3520-42-1

C27H30N2NaO7S2



Acid red 52

min. 98 % (HPLC);

abs. max.: 555-559 nm (MeOH); molar absorptivity: 95000 l/(mol*cm);

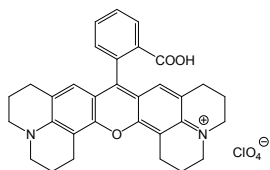
FUNCTIONAL AND FLUORESCENT DYES: RHODAMINES

Rhodamine 101 perchlorate

ST00709

72102-91-1

C32H31ClN2O7



Rhodamine 640 perchlorate

abs. max.: 576 nm (acid EtOH); molar absorptivity: 95000 l/(mol*cm);

fluorescence max.: 594 nm; lasing wavelength: 600 nm; lasing

range: 590-620 nm;

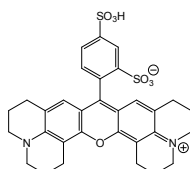
laser dye for pulsed and cw operation, tunable around 640 nm;

Sulforhodamine 101

ST03274

60311-02-6

C31H30N2O7S2



Sulforhodamine 640

abs. max.: 578 nm (EtOH); molar absorptivity: >106000 l/(mol*cm);

laser dye for pulsed and cw operation, tunable around 650 nm;

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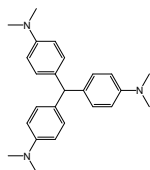
FUNCTIONAL AND FLUORESCENT DYES: TRIPHENYLMETHANE DYES

Tris[4-dimethylamino-phenyl]methan

ST00573

603-48-5

C25H31N3



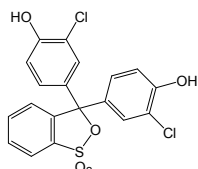
Leuco crystal violet
min. 98 % (HPLC);

Chlorophenol Red

ST00370

4430-20-0

C19H12Cl2O5S



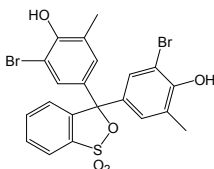
transition interval: pH 4,8 (yellow) - pH 6.7 (violet);
abs. max.: 575 nm (buffer pH 8.5); molar absorptivity: >65000
l/(mol*cm);
indicator;

Bromocresol Purple

ST00369

115-40-2

C21H16Br2O5S



BCP

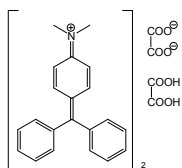
abs. max.: 419 nm (buffer pH 7); molar absorptivity: >20000
l/(mol*cm); m. p.: 241-245°C;

Malachite green oxalate, pure

ST02097

2437-29-8

C46H50N4 x
C2O42- x C2H2O4



Basic green 4, pure

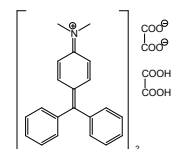
abs. max.: 618 nm (H2O); molar absorptivity: >170000 l/(mol*cm);
N,N-Dimethylaniline: max. 100 ppm;

Malachite green oxalate

ST04057

2437-29-8

C46H50N4 x
C2O42- x C2H2O4



Basic green 4

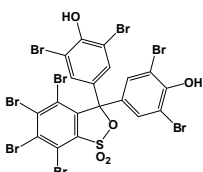
min. 97 % (HPLC);
abs. max.: 618 nm (H2O); molar absorptivity: >130000 l/(mol*cm);

Tetrabromophenol Blue

ST04645

4430-25-5

C19H6Br8O5S



min. 85 % (HPLC); m. p.: 204°C (dec.);

abs. max.: 607-615 nm (buffer pH 5.0); molar absorptivity: 55000
l/(mol*cm);

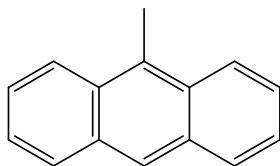
FUNCTIONAL AND FLUORESCENT DYES: AROMATIC HYDROCARBONS

9-Methylantracene

ST01073

779-02-2

C₁₅H₁₂



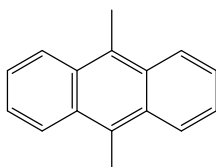
min. 98 % (HPLC);
m. p.: 77-79°C (min. 77°C);
intermediate for biolabelling;

9,10-Dimethylantracene

ST00711

781-43-1

C₁₆H₁₄



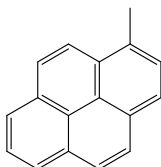
min. 99 % (HPLC);
m. p.: 180-185°C;
scintillator;

1-Methylpyrene

ST01076

2381-21-7

C₁₇H₁₂



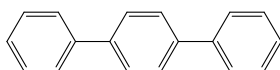
min. 97 % (HPLC);
m. p.: 72-74°C;

p-Terphenyl

ST00712

92-94-4

C₁₈H₁₄



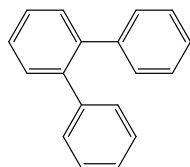
PTP
min. 99 % (GC);
abs. max.: 275 nm (cyclohexane); molar absorptivity: >32100
l/(mol*cm);
scintillator;

o-Terphenyl

ST04484

84-15-1

C₁₈H₁₄



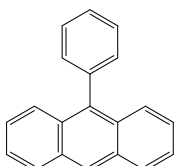
[1,1';2',1'']Terphenyl
min. 99 % (GC);

9-Phenylantracene

ST02754

602-55-1

C₂₀H₁₄



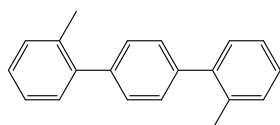
min. 98 % (HPLC);
m. p.: 149-155°C;

2,2"-Dimethyl-p-terphenyl

ST03243

53092-64-1

C₂₀H₁₈



BM-Terphenyl, DMT
abs. max.: 251 nm (cyclohexane); molar absorptivity: >19800
l/(mol*cm); emiss. max.: 335 nm;
laser dye for pulsed and cw operation, tunable around 336 nm;

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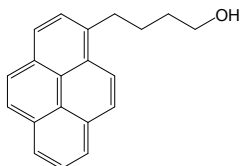
FUNCTIONAL AND FLUORESCENT DYES: AROMATIC HYDROCARBONS

4-(1-Pyrenyl)-n-butanol

ST02234

67000-89-9

C₂₀H₁₈O



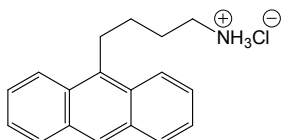
min. 97 % (HPLC);

blue-violet fluorescent dye for biolabelling;

4-(9-Anthracenyl)butyl amine hydrochloride

ST03989

C₁₈H₂₀ClN



min. 97 % (titr.);

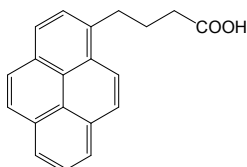
violet emitter for biolabelling;

4-(Pyrene-1-yl)-n-butyric acid

ST00726

3443-45-6

C₂₀H₁₆O₂



97-103 % (titr.); min. 98 % (HPLC); ¹H-NMR conforms;

m. p.: min. 185°C;

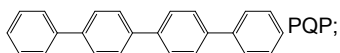
fluorescence marker with blue-violet fluorescence;

p-Quaterphenyl

ST01819

135-70-6

C₂₄H₁₈



PQP;

abs. max.: 298 nm (dioxane); molar absorptivity: >44000 l/(mol*cm);

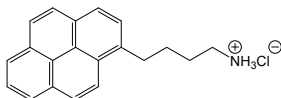
scintillator;

4-(1-Pyrenyl)butyl amine hydrochloride

ST03990

71942-37-5

C₂₀H₂₀ClN



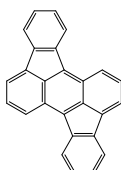
min. 97 % (titr.); ¹H-NMR conforms;

Rubicen

ST01366

197-61-5

C₂₆H₁₄



min. 97.5 % (HPLC);

abs. max.: 495 nm (CHCl₃); emiss. max. (CHCl₃): 560 nm, 588 nm;

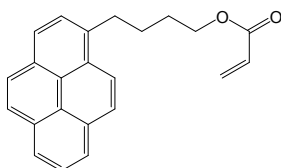
orange red emitter;

Acrylic acid 4-pyren-1-yl-butyl ester

ST03831

877066-81-4

C₂₃H₂₀O₂



min. 97 % (HPLC);

m.p.: 72-76°C;

polymerizable fluorescent dye with violet emission;

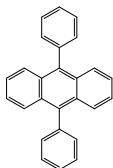
FUNCTIONAL AND FLUORESCENT DYES: AROMATIC HYDROCARBONS

9,10-Diphenylanthracene

ST00640

1499-10-1

C26H18



min. 99 % (HPLC);

m. p.: 247-250°C;

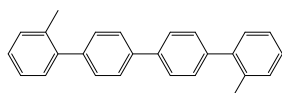
scintillator, fluorescent host material for OLED;

2,2'''-Dimethyl-p-quaterphenyl

ST03228

107014-26-6

C26H22



BMQ

abs. max.: 275 nm (cyclohexane); molar absorptivity: >33500 l/(mol*cm);

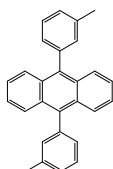
laser dye for pulsed operation, tunable around 336 nm;

9,10-Bis(3-methylphenyl)anthracene

ST02063

43217-32-9

C28H22



Bis[m-tolyl]anthracene, DTA

min.: 98 % (HPLC);

m. p: 221-223°C;

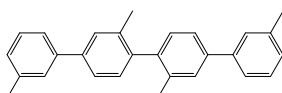
scintillator;

3,3',2'',3'''-Tetramethyl-p-quaterphenyl

ST03237

4575-13-7

C28H26



TMQ

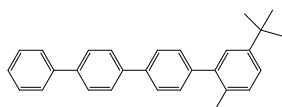
abs. max.: 266 nm (cyclohexan); molar absorptivity: 39900 l/(mol*cm);

2-Methyl-5-tert-butyl-p-quaterphenyl

ST03954

114932-35-3

C29H28



DMQ

abs. max.: 285 nm; molar absorptivity: >38600 l/(mol*cm);

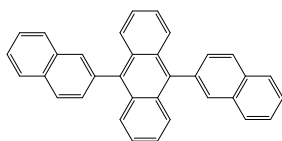
laser dye for pulsed operation, tunable around 360 nm;

9,10-Bis-(2-naphthyl)anthracene

ST02456

122648-99-1

C34H22



¹H-NMR conforms;

m. p.: 182-185°C;

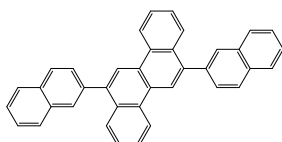
fluorescent host material for OLED;

6,12-Bis(2-naphthyl)chrysene

ST03470

663954-29-8

C38H24



min. 98 % (HPLC);

fluorescent host material for OLED;

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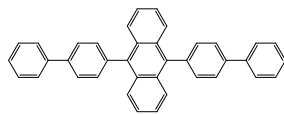
FUNCTIONAL AND FLUORESCENT DYES: AROMATIC HYDROCARBONS

9,10-Bis[(1,1'-biphenyl)-4-yl]anthracene

ST02082

43069-36-9

C38H26



min. 98 % (HPLC);

abs. max.: 263 nm (CHCl₃); molar absorptivity: >90000 l/(mol*cm);

m. p.: 415°C (Lit.);

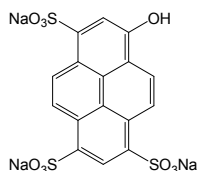
fluorescent host material for OLED;

Pyranine

ST00739/01

6358-69-6

C16H7Na3O10S3



Solvent Green 7

min. 90 % (UV-VIS), loss on drying: max. 15 %;

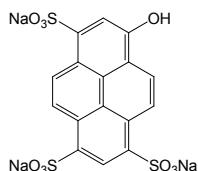
abs. max.: 452-456 nm (0.1 N NaOH); molar absorptivity: >20000 l/(mol*cm);

Pyranine, laser grade

ST00739/02

6358-69-6

C16H7Na3O10S3



Solvent Green 7

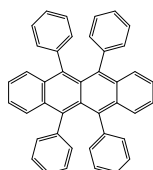
abs. max.: 452 nm (0.1 N NaOH); molar absorptivity: >24000 l/(mol*cm);
laser grade;

Rubrene

ST01468

517-51-1

C42H28



5,6,11,12-Tetraphenylanthracene

min. 99 % (HPLC);

abs. max.: 526 nm (toluene); molar absorptivity: >11000 l/(mol*cm);

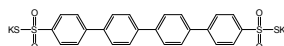
orange-red dopant for OLED;

p-Quaterphenyl-4,4''-disulfonic acid dipotassium salt

ST02613

122636-62-8

C24H16K2O6S2



1,1':4',1'':4'',1'''-Quaterphenyl-4,4'''-disulfonic acid dipotassium salt

abs. max.: 308 nm (water); molar absorptivity: >51900 l/(mol*cm);

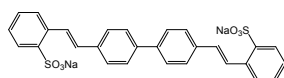
laser dye for pulsed operation, tunable around 390 nm;

Stilbene 3

ST02614

27344-41-8

C28H20Na2O6S2



abs. max.: 350 nm (EtOH); molar absorptivity: >58900 l/(mol*cm);

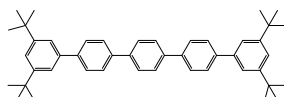
laser dye for pulsed operation, tunable around 425 nm;

3,5,3'',5'''-Tetra-t-butyl-p-quinquephenyl

ST02612

89703-16-2

C46H54



QUI, LC3690

abs. max.: 310 nm (dioxane); molar absorptivity: >60000 l/(mol*cm);

laser dye for pulsed operation, tunable around 390 nm;

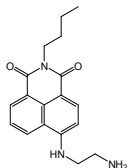
FUNCTIONAL AND FLUORESCENT DYES: NAPHTHALIMIDES

6-(2-Aminoethylamino)-2-butyl-1H-benzo[de]isoquinoline-1,3(2H)-9-dione

ST04559

154273-87-7

C₁₈H₂₁N₃O₂

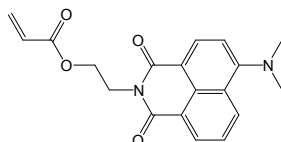


1H-NMR conforms; fluoresc. ex.: 420 nm; fluoresc. max.: 524 nm;
abs. max.: 432-436 nm (MeOH); molar absorptivity: 13000
l/(mol*cm); m. p.: 137.7 (DSC peak);

Acrylic acid 2-(6-dimethylamino-1,3-dioxo-1H,3H-benzo[de]isoquinolin-2-yl)ethyl ester

ST05178

C₁₉H₁₈N₂O₄



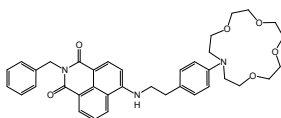
min. 99 % (HPLC); 1H-NMR conforms;

N-Benzyl-[4-(aza-15-crown-5)-phenylethylamino]-1,8-naphthalimide

ST05902

87700-65-0

C₃₇H₄₁N₃O₆

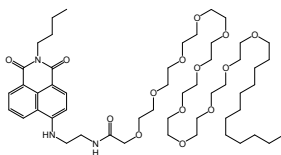


min. 97 % (HPLC);

N-[2-(2-Butyl-1,3-dioxo-2,3-dihydro-1H-benzo[de]isoquinolin-6-ylamino)ethyl]-2-(2-{2-[2-(2-{2-[2-(2-{2-[2-(2-

ST04375

C₅₂H₈₇N₃O₁₄



1H-NMR conforms;
abs. max.: 431 nm (CH₂Cl₂); molar absorptivity: min. 5000 l/mol/cm;
fluorescence ex.: 430nm; fluorescence max.: 503 nm;

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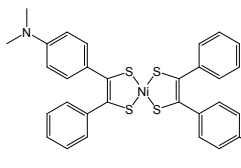
FUNCTIONAL AND FLUORESCENT DYES: METAL COMPLEXES

Bis(4-dimethylaminodithiobenzil)nickel

ST01207

38465-55-3

C32H30N2NiS4



BDN

abs. max.: 1070 nm (MeOH); molar absorptivity: >28000 l/(mol*cm);

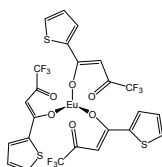
IR absorber;

Europium(III) thenoyltrifluoroacetate

ST03598

14054-87-6

C24H12EuF9O6S3



1HNMR conforms to structure; C,H,N analysis conforms structure;

abs. max.: 344 nm (CH2Cl2); molar absorptivity: 50000 l/(mol*cm);

fluorescence max.: 610 nm;

red dopant for OLED

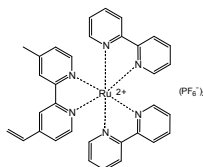
Ruthenium(4-vinyl-4'-methyl-2,2'-bipyridine)bis(2,2'-bipyridine)bis(hexafluorophosphate)

ST06010

74171-78-1

C33H28F12N6P2Ru

u



absorption max.: 456 nm; molar absorptivity: > 15500 l/(mol*cm);

fluorescence max.: 628 nm (H2O);

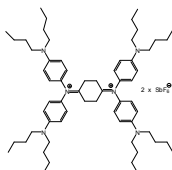
FUNCTIONAL AND FLUORESCENT DYES: MISCELLANEOUS

N,N,N',N'-Tetrakis(4-dibutylaminophenyl)phenylene-1,4-diammonium bis(hexafluoroantimonate)

ST01014

5496-71-9

C62H92N6F12Sb2



IRG-22, Dye 1602

abs. max.: 1067 nm (MeOH); molar absorptivity: >95000 l/(mol*cm);

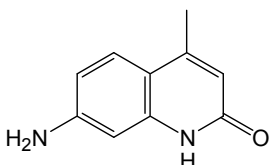
IR absorber; solvent soluble cyanine dye;

7-Amino-4-methyl-2(1H)quinolinone

ST01582

19840-99-4

C10H10N2O



Carbostyryl 124, Carbostyryl 7

min. 98.5 % (titr.);

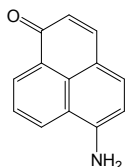
abs. max.: 350 nm (EtOH); molar absorptivity: >14600 l/(mol*cm);

6-Amino-1H-phenalene-1-one

ST00955

70402-14-1

C13H9NO



Phenalemine 160, Phenalemin 610

abs. max.: 530 nm; molar absorptivity: 16300 l/(mol*cm);

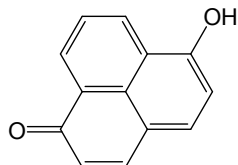
emiss. max.: 606 nm (MeOH); lasing peak (range): 612 (600-626) nm; pump source: Nd: YAG (532 nm); laser dye, fluorescent dye for biolabelling;

6-Hydroxy-1H-phenalen-1-one

ST03215

3352-82-7

C13H8O2



abs. max.: 263 nm;

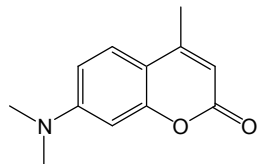
m. p.: 295-297°C;

7-(dimethylamino)-4-methyl-2H-chromen-2-one

ST06188

87-01-4

C12H13NO2



7-Dimethylamino-4-methylcoumarin

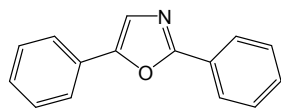
min. 97 % (HPLC);

2,5-Diphenyloxazol

ST03234

92-71-7

C15H11NO



PPO

min. 99 % (HPLC); water: max. 0.5 % (KF);

abs. max.: 303 nm (EtOH); molar absorptivity: >28000 l/(mol*cm);

fluorescence max.: 365 nm (toluene);

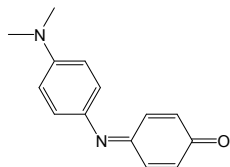
scintillator, laser dye for pulsed operation, tunable around 380 nm;

4-[[4-(Dimethylamino)phenyl]imino]cyclohexa-2,5-dien-1-one

ST03704

2150-58-5

C14H14N2O



min. 95 % (HPLC);

abs. max.: 608 nm (MeOH); molar absorptivity: >23000 l/(mol*cm);

m. p.: 159-162°C;

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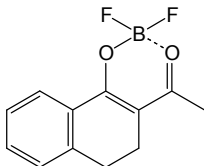
FUNCTIONAL AND FLUORESCENT DYES: MISCELLANEOUS

1-[1-(Difluoroboryl)oxy-3,4-dihydro-naphthalen-2-yl]ethanone inner complex

ST00188

55923-05-2

C₁₂H₁₁BF₂O₂



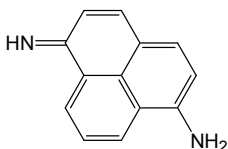
abs. max.: 359 nm (MeCN);
lasing wavelength: 442 nm; lasing range: 408-493 nm; laser efficiency: 11 %;
new laser dye: improved solubility and stability, high lasing efficiency, large tuning range;

6-Imino-6H-phenalen-1-ylamine hydrochloride hydrate

ST00957

113702-14-0

C₁₃H₁₀N₂ x HCl x H₂O



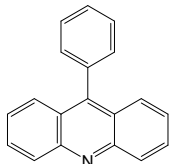
Phenalemine 430 chloride, Phenalemine 628
abs. max.: 588 nm (MeOH); molar absorptivity: 26000 l/(mol*cm);
emiss. max.: 633 nm (MeOH); lasing range: 632-642 nm; pump H₂O source: Nd: YAG (532 nm);
HCl laser dye, dye for biolabelling;

9-Phenylacridine

ST00766

602-56-2

C₁₉H₁₃N



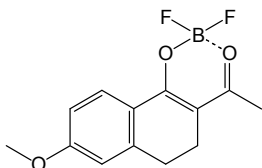
min. 98 % (GC);
abs. max. 359 nm; m. p.: 182-184°C;

1-[1-(Difluoroboryl)oxy-3,4-dihydro-6-methoxy-naphthalen-2-yl]ethanone inner complex

ST00189

55923-08-5

C₁₃H₁₃BF₂O₃



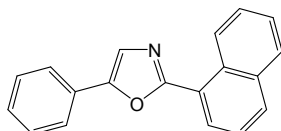
abs. max.: 381 nm (EtOH); molar absorptivity: 35000 l/(mol*cm);
lasing wavelength: 432 nm; lasing range: 410-460 nm; solvent: EtOH, laser efficiency: 10%;
new laser dye: improved solubility and stability, high lasing efficiency, large tuning range;

2-(1-Naphthyl)-5-phenyloxazole

ST01999

846-63-9

C₁₉H₁₃NO



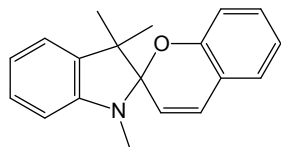
alpha-NPO
min. 99 % (HPLC);
abs. max.: 333 nm (dioxane); molar absorptivity: >21500 l/(mol*cm);
emiss. max.: 396 nm (dioxane);
laser dye for pulsed operation, tunable around 400 nm;

1',3',3'-Trimethylspiro(2H-1-benzopyran-2,2'-indoline)

ST05967

1485-92-3

C₁₉H₁₉NO



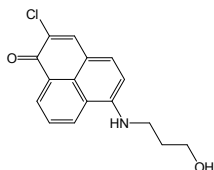
min. 98 % (HPLC);

2-Chloro-6-(3-hydroxypropyl)amino-1H-phenalen-1-one

ST00956

113722-81-9

C₁₆H₁₄ClNO₂



Phenalemine 510, Phenalemine 625
abs. max.: 568 nm; molar absorptivity: 29300 l/(mol*cm);
emiss. max.: 612 nm (MeOH); lasing range: 615-634 nm; pump source: Nd: YAG (532 nm);
laser dye, dye for biolabelling;

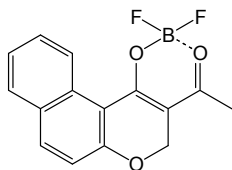
FUNCTIONAL AND FLUORESCENT DYES: MISCELLANEOUS

1-(1-(Difluoroboryl)oxy-3H-benzo[f]chromen-2-yl)ethanone inner complex

ST00190

119634-42-3

C₁₅H₁₁BF₂O₃



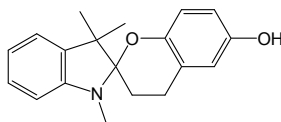
abs. max.: 418 nm (MeCN); molar absorptivity: 16600 l/(mol*cm);
lasing wavelength: 509 nm; lasing range: 479-549 nm; solvent:
MeCN; laser efficiency: 10%;
new laser dye: improved solubility and stability, high lasing
efficiency, large tuning range;

1',3',3'-Trimethyl-6-hydroxyspiro(2H-1-benzopyran-2,2'-indoline)

ST05908

23001-29-8

C₁₉H₁₉NO₂



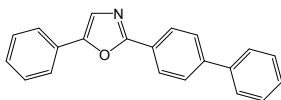
min. 98.5 % (HPLC);
m. p.: 144-150°C;

2-(Biphenyl)-5-phenyloxazole

ST02038

852-37-9

C₂₁H₁₅NO



min. 98 % (HPLC);

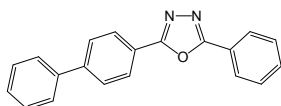
laser dye for pulsed operation, tunable around 400 nm;

2-(4-Biphenyl)-5-phenyl-1,3,4-oxadiazole

ST02137

852-38-0

C₂₀H₁₄N₂O



PBD

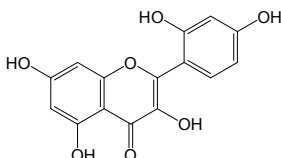
abs. max.: 302 nm (EtOH); molar absorptivity: >39000 l/(mol*cm);
m. p.: 165-170°C;

Morin

ST03315

480-16-0

C₁₅H₁₀O₇



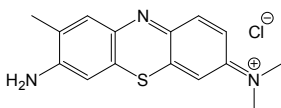
2',3,4',5,7-Pentahydroxyflavon
min. 92 % (HPLC); water: max. 7 % (KF);
IR conforms; UV-VIS conforms;

Toluidine Blue O

ST00991

92-31-9

C₁₅H₁₆ClN₃S



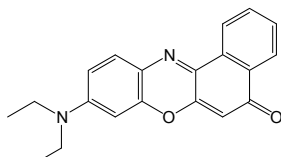
Basic Blue 17 C.I. 52040, Toluidine Blue
min. 80 % (HPLC, UV-VIS at 627 nm);
abs. max.: 627 nm (water); 634 nm (MeOH);
biological stain;

9-Diethylaminobenzo[a]phenoxazone

ST04299

7385-67-3

C₂₀H₁₈N₂O₂



Nile red, Nile blue A oxazone
abs. max.: 549-553 nm; molar absorpt.: 0.55 - 0.63 l/(0.01 g/0.5 cm);

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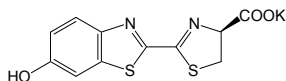
FUNCTIONAL AND FLUORESCENT DYES: MISCELLANEOUS

D-Luciferin, potassium salt

ST06039

115144-35-9

C11H7KN2O3S2



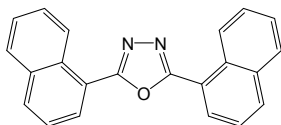
min. 99 % (HPLC);

2,5-Di-naphthalen-1-yl-[1,3,4]-oxadiazole

ST01686

905-62-4

C22H14N2O



min. 99 % (HPLC);

m. p.: 176-180°C;

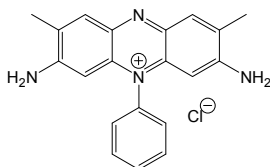
Scintillator;

Safranin O

ST01577

477-73-6

C20H19ClN4



3,7-Diamino-2,8-dimethyl-5-phenylphenazinium chloride, Safranin T,

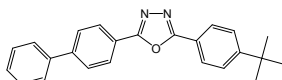
abs. max.: 523-532 nm (MeOH); molar absorptivity: >55000 l/(mol*cm);

2-(4-Biphenyl)-5-(4-tertbutylphenyl)-1,3,4-oxadiazole

ST01563

15082-28-7

C24H22N2O



min. 98 % (HPLC);

abs. max.: 302 nm (dioxane); molar absorptivity: >43500 l/(mol*cm);

emiss. max.: 368 nm (cyclohexane);

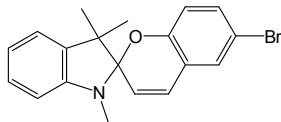
scintillator;

1',3',3'-Trimethyl-6-bromospiro(2H-1-benzopyran-2,2'-indoline)

ST05968

16650-14-9

C19H18BrNO



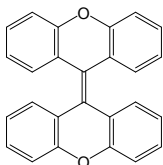
min. 98 % (HPLC);

9,9'-Bis(xanthenyleniden)

ST00763

517-45-3

C26H16O2



min. 97 % (GC);

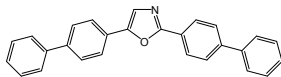
abs. max.: 364 nm (CHCl3); m. p.: 315-319°C;

2,5-Bis(4-biphenyl)oxazol

ST03678

2083-09-2

C27H19NO



min. 98 % (HPLC);

abs. max.: 339 nm (toluene); molar absorptivity: >47600 l/(mol*cm);

emiss. max.: 412 nm (toluene);

laser dye for pulsed operation, tunable around 690 nm;

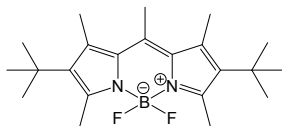
FUNCTIONAL AND FLUORESCENT DYES: MISCELLANEOUS

2,6-Di-tert-butyl-1,3,5,7,8-pentamethylpyrromethenedifluoroborate complex

ST02369

137829-79-9

C22H33BF2N2



min. 97 % (HPLC);

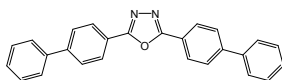
abs. max.: 528 nm (CHCl₃); molar absorptivity: >60000 l/(mol*cm);

2,5-Bis(1,1'-biphen-4-yl)-1,3,4-oxadiazole

ST01685

2043-06-3

C26H18N2O



min. 98 % (HPLC);

abs. max.: 314 nm (dioxane); molar absorptivity: >53000 l/(mol*cm);

emiss. max.: 380 nm (dioxane);

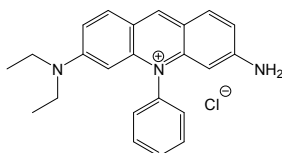
scintillator;

Diethyl safranine

ST01579

4569-86-2

C22H23ClN4



3-Amino-7-diethylamino-5-phenylphenazin-5-ium chloride

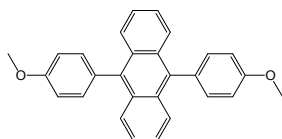
abs. max.: 556 nm (H₂O); molar absorptivity: >35000 l/(mol*cm);

9,10-Bis(4-methoxyphenyl)anthracene

ST03625

24672-76-2

C28H22O2



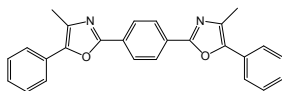
min. 98 % (HPLC);

1,4-Bis[(4-methyl-5-phenyl)oxazol-2-yl]benzene

ST02721

3073-87-8

C26H20N2O2



Dimethyl-POPOP

min. 98 % (HPLC);

m. p.: 232-234°C;

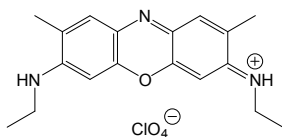
scintillator;

3-Ethylamino-7-ethyliminium-2,8-dimethylphenoxazin perchlorate

ST03240

41830-81-3

C18H22ClN3O5



Oxazine 4

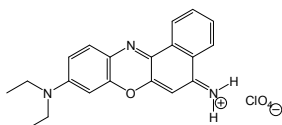
abs. max.: 615 nm (EtOH); molar absorptivity: 109000 l/(mol*cm);

Oxazine 725

ST03231

53340-16-2

C20H20ClN3O5



Nile blue

abs. max.: 633 nm (EtOH); molar absorptivity: >77500 l/(mol*cm);

emiss. max.: 627 nm (in basic EtOH);

laser dye for pulsed operation, tunable around 690 nm;

INQUIRIES and ORDERS

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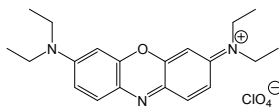
FUNCTIONAL AND FLUORESCENT DYES: MISCELLANEOUS

3-Diethylamino-7-diethyliminophenoxazonium perchlorate

ST03232

24796-94-9

C20H26ClN3O5



Oxazine 1



abs. max.: 646 nm (EtOH); molar absorptivity: >120000 l/(mol*cm);

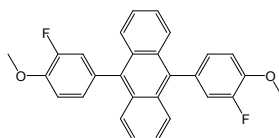
laser dye;

9,10-Bis(3-fluoro-4-methoxyphenyl)anthracene

ST03621

1271728-13-2

C28H20F2O2



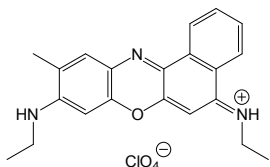
min. 98 % (HPLC);

9-Ethylamino-5-ethylimino-10-methyl-5H-benzo[a]phenoxazonium perchlorate

ST03241

62669-60-7

C21H22ClN3O5



Oxazine 170, Oxazine 720

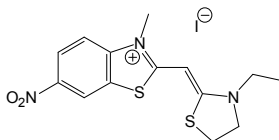
abs. max.: 627 nm (EtOH); molar absorptivity: 92000 l/(mol*cm);

2-((3-Ethyl-2-thiazolinidylidene)methyl)-3-methyl-6-nitrobenzothiazolium iodide

ST04516

38586-42-4

C14H16IN3O2S2



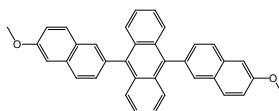
abs. max.: 400-405 nm (MeOH), molar ext. coeff.: 50000 l/(mol * cm)

9,10-Bis-(6-methoxynaphthalen-2-yl)anthracene

ST03617

235099-48-6

C36H26O2



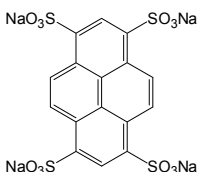
min. 98 % (HPLC);

Pyrene-1,3,6,8-tetrasulfonic acid tetra sodium salt

ST00541

59572-10-0

C16H6Na4O12S4



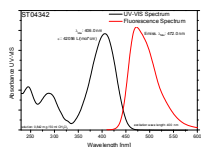
min. 94 % (HPLC); max. 5 % TV;

DOPANTS FOR POLYMER- AND LC-APPLICATIONS

Green Fluorescent Dye 7

ST04342

CxHy-406



Green FD7-P

min. 97 % (HPLC);

abs. max.: 406 nm (MeOH); molar absorptivity: >40000 l/(mol*cm);

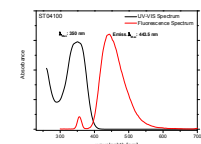
emiss. max.: 472 nm;

polymerizable fluorescent dye with green emission, aligns with nematic mixtures.

Blue LC-Fluorescent Dye 2

ST04100

CxHy-350



Blue LC-FD2-NP

min. 97 % (HPLC);

abs. max.: 350 nm, 443 nm (CH₂Cl₂); mesophase behaviour: T_g -

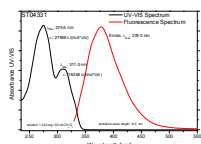
11 Cr1 71 Cr2 84 N 135 I (on heating);

nematic fluorescent dye with blue emission, not polymerizable;

UV-Violet LC-Fluorescent Dye 6

ST04331

CxHy-275



UV-Violet LC-FD6-P

min 96 % (HPLC);

abs. max.: 275, 311 nm (CH₂Cl₂); molar absorptivity: >25000

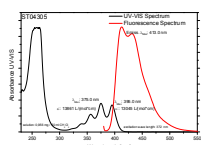
l/(mol*cm); emiss. max.: 378 nm; m. p.: 67-69°C (smectic 54-53);

colourless monotropic fluorescent dye with a narrow smectic phase, polymerizable;

Blue-violet Fluorescent Dye 4

ST04305

CxHy-375



Blue FD4-NP

min. 97 % (HPLC);

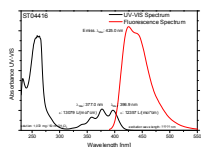
abs. max.: 375 nm (CH₂Cl₂); molar absorptivity: >12000 l/(mol*cm);

emiss. max.: 413 nm;

Blue LC-Fluorescent Dye 13

ST04416

CxHy-377



Blue-Violet FD13-P

min. 96 % (HPLC);

abs. max.: 377, 397 nm (CH₂Cl₂); molar absorptivity: >10000

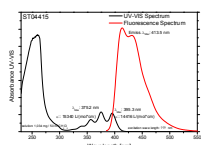
l/(mol*cm); emiss. max.: 425 nm;

polymerizable fluorescent dye with blue-violet emission with 2 polymerizable groups;

Blue LC-Fluorescent Dye 14

ST04415

CxHy-375



Blue-Violet FD14-P

min. 98 % (HPLC);

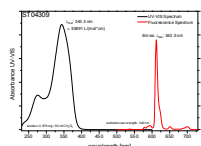
abs. max.: 375 (395) nm (CH₂Cl₂); molar absorptivity: >12500

l/(mol*cm); emiss. max.: 414 nm;

Red Fluorescent Dye 5

ST04309

CxHyOzNw-344



Red FD5-NP

1H-NMR conforms;

abs. max.: 344 nm (CH₂Cl₂); molar absorptivity: >40000 l/(mol*cm);

emiss. max.: 612 nm;

nearly colourless metal complex based dye with bright red emission;

INQUIRIES and ORDERS

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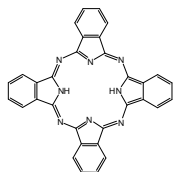
PHTHALOCYANINES AND PORPHYRINES

Phthalocyanine; metal free; beta-modification

ST03917

574-93-6

C₃₂H₁₈N₈

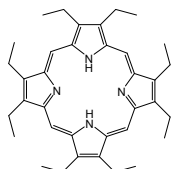


2,3,7,8,12,13,17,18-Octaethylporphyrine

ST02982

2683-82-1

C₃₆H₄₆N₄



2,3,7,8,12,13,17,18-Octaethyl-21H,23H-porphine
min. 97 % (EA of C,N);

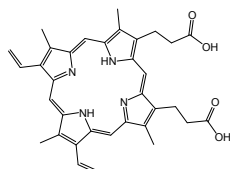
3,7,12,17-Tetramethyl-8,13-divinyl-2,18-porphinedipropionic acid

ST06412

553-12-8

C₃₄H₃₄N₄O₄

NEW



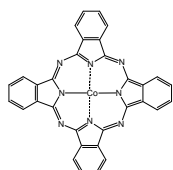
Protoporphyrin IX
absorption max: 420 - 424 nm; molar absorptivity: 430.000

Cobalt(II)phthalocyanine, β-modification

ST04007

3317-67-7

C₃₂H₁₆CoN₈



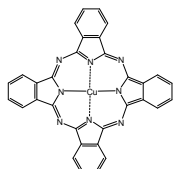
min. 97 %;
abs. max.: 672 (± 5) nm, molar absorptivity: >50000 l/(mol*cm);

Phthalocyanine, Copper complex sublimed

ST00010/13S

147-14-8

C₃₂H₁₆CuN₈



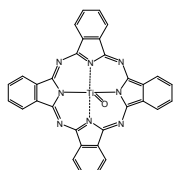
Cu assay 11.00 ... 11.20 % (ICP-OES, 11.03 % theo
Violet blue crystals

Phthalocyanine titanium oxide complex, Y-modification

ST03918

26201-32-1

C₃₂H₁₆N₈O₂Ti



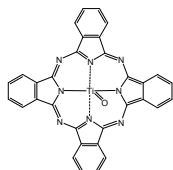
for xerographic use;

Phthalocyanine titanium oxide complex, beta-modification

ST03919

26201-32-1

C₃₂H₁₆N₈O₂Ti



for xerographic use;

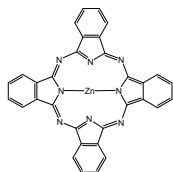
PHthalOCYANINES AND PORPHYRINES

Phthalocyanine zinc complex sublimed

ST00010/12S

14320-04-8

C₃₂H₁₆N₈Zn



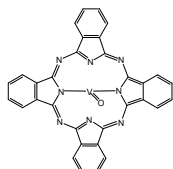
purified pigment with very low content of soluble impurities;

Phthalocyanine vanadium(IV) oxide complex sublimed

ST00010/11S

13930-88-6

C₃₂H₁₆N₈O_V



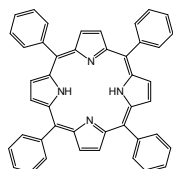
purified pigment with very low content of soluble impurities;

meso-Tetraphenylporphyrin

ST02468

917-23-7

C₄₄H₃₀N₄



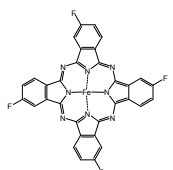
5,10,15,20-Tetraphenyl-21H,23H-porphine
1-3% chlorine; NMR conforms, UV-VIS conforms;
m. p.: > 300°C;

Iron tetrafluorophthalocyanine

ST06323

52418-30-1

C₃₂H₁₂F₄FeN₈



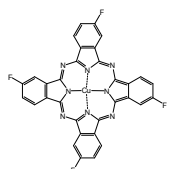
98 % (Iron content)

Tetrafluoro-phthalocyanine, Copper complex sublimed

ST01657S

65602-84-8

C₃₂H₁₂CuF₄N₈

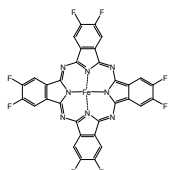


Iron octafluorophthalocyanine

ST06324

125825-46-9

C₃₂H₈F₈FeN₈



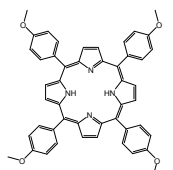
98 % (Iron content)

meso-Tetraanisylporphyrin

ST02470

22112-78-3

C₄₈H₃₈N₄O₄



5,10,15,20-Tetrakis(4-methoxyphenyl)-21H,23H-porphine
min. 95 % (EA of C,N);

INQUIRIES and ORDERS

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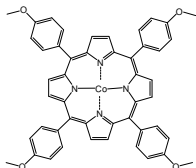
PHTHALOCYANINES AND PORPHYRINES

Tetra(4-methoxyphenyl)porphyrine cobalt complex

ST00371

28903-71-1

C₄₈H₃₆CoN₄O₄



min. 95% (Co analysis);

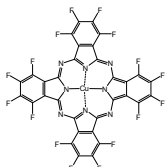
¹H-NMR conforms;

Perfluoro-phthalocyanine, Copper complex sublimed

ST01658S

14916-87-1

C₃₂CuF₁₆N₈

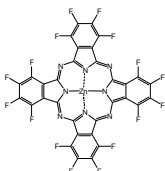


Zinc 1,2,3,4,8,9,10,11,15,16,17,18,22,23,24,25-hexadecafluoro-29H,31H-phthalocyanine

ST06226

31396-84-6

C₃₂F₁₆N₈Zn



Zinc hexadecafluorophthalocyanine

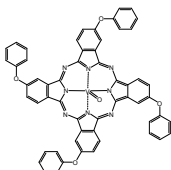
min. 6.55-8.55 % Zn (ICP-OES);

Vanadyl 2,9,16,23-tetraphenoxy-29H,31H-phthalocaynine

ST03984

109738-21-8

C₅₆H₃₂N₈O₅V



abs. max.: 700 nm (DMF); molar absorptivity: >160000 l/(mol*cm);

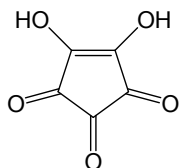
INTERMEDIATES FOR FUNCTIONAL DYES AND FLUORESCENTS

4,5-Dihydroxy-cyclopent-4-ene-1,2,3-trione

ST00630

488-86-8

C₅H₂O₅



Croconic acid
titr.: 97-103 %;

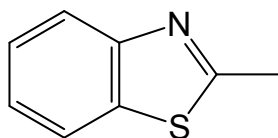
intermediate for synthesis of croconine dyes;

2-Methylbenzothiazole

ST00107

120-75-2

C₈H₇NS



min. 99 % (GC);

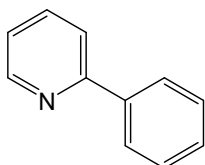
intermediate for synthesis of polymethine dyes;

2-Phenylpyridine

ST03216

1008-89-5

C₁₁H₉N



min. 98 % (GC);

b. p.: 268-270°C; 116°C (5 mm);

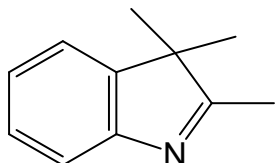
intermediate for the synthesis of OLED emitters on basis of iridium complexes;

2,3,3-Trimethyl-3H-indole

ST00102

1640-39-7

C₁₁H₁₃N



min. 98 % (GC);

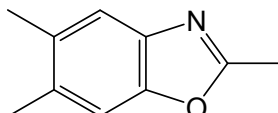
intermediate for synthesis of polymethine dyes;

2,5,6-Trimethylbenzoxazole

ST00728

19219-98-8

C₁₀H₁₁NO



min. 98 % (HPLC);

m. p.: 91-94°C;

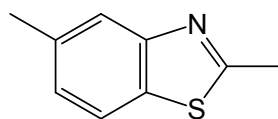
intermediate for the synthesis of polymethine dyes;

2,5-Dimethylbenzothiazole

ST00200

95-26-1

C₉H₉NS



min. 98 % (GC);

m. p.: 36-40 °C;

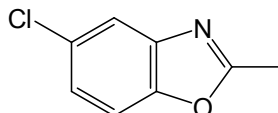
intermediate for the synthesis of polymethine dyes;

5-Chloro-2-methylbenzoxazole

ST01843

19219-99-9

C₈H₆ClNO



min. 98 % (GC);

m. p.: 55-57°C;

intermediate for the synthesis of polymethine dyes;

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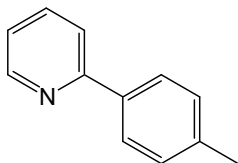
INTERMEDIATES FOR FUNCTIONAL DYES AND FLUORESCENTS

2-(4-Methylphenyl)pyridine

ST02919

4467-06-5

C₁₂H₁₁N



2-(p-Tolyl)pyridine
min. 97 % (GC);

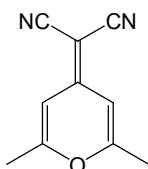
intermediate for emitters on basis of iridium complexes;

4-(Dicyanomethylene)-2,6-dimethyl-4H-pyran

ST01290

28286-88-6

C₁₀H₈N₂O



2-(2,6-Dimethyl-4H-pyran-4-ylidene)malononitrile
min. 97 % (HPLC);
m. p.: 193-198 °C;

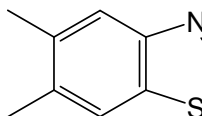
intermediate for the synthesis of DCM dyes;

2,5,6-Trimethylbenzothiazole

ST00143

5683-41-0

C₁₀H₁₁NS



min. 98 % (HPLC);
m. p.: 81-84 °C;

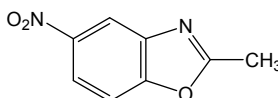
intermediate for synthesis of polymethine dyes;

2-Methyl-5-nitrobenzoxazole

ST03112

32046-51-8

C₈H₆N₂O₃



min. 98 % (GC);
m. p.: 153-155 °C;

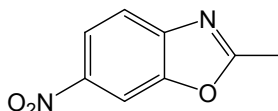
intermediate for the synthesis of polymethine dyes;

2-Methyl-6-nitrobenzoxazole

ST00808

5683-43-2

C₈H₆N₂O₃



min. 98 % (GC);
m. p.: 154-156 °C;

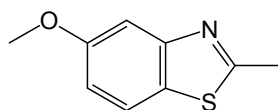
intermediate for synthesis of polymethine dyes;

5-Methoxy-2-methylbenzothiazole

ST00203

2941-69-7

C₉H₉NOS



min. 98 % (HPLC);

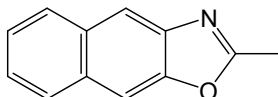
intermediate for synthesis of polymethine dyes;

2-Methylnaphtho[2,3-d]oxazole

ST00807

20686-66-2

C₁₂H₉NO



min. 98 % (HPLC);
m. p.: 85-88 °C;

intermediate for synthesis of polymethine dyes;

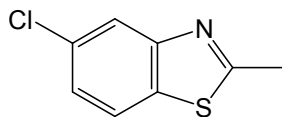
INTERMEDIATES FOR FUNCTIONAL DYES AND FLUORESCENTS

5-Chloro-2-methylbenzothiazole

ST02046

1006-99-1

C₈H₆ClNS



min. 98 % (HPLC);

m. p.: 68-71°C;

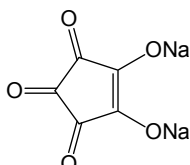
intermediate for the synthesis of polymethine dyes;

4,5-Dihydroxy-cyclopent-4-ene-1,2,3-trione disodiumsalt

ST03762

14379-00-1

C₅O₅Na₂



Croconic acid disodiumsalt

min. 98 % (titr.);

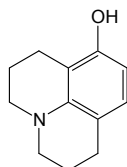
intermediate for the synthesis of croconine dyes;

8-Hydroxyjulolidine

ST00364

41175-50-2

C₁₂H₁₅NO



min. 98 % (HPLC);

m. p.: 132-134°C;

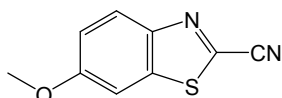
intermediate for synthesis of coumarines and rhodamines;

6-Methoxybenzothiazole-2-carbonitrile

ST01456

943-03-3

C₉H₆N₂OS



2-Cyano-6-methoxybenzothiazole

min. 98 % (GC);

m. p.: 128-130°C;

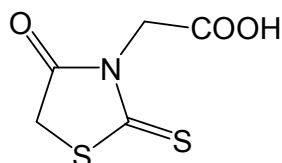
intermediate for the synthesis of luciferine;

(4-Oxo-2-thioxo-thiazolidin-3-yl)acetic acid

ST00114

5718-83-2

C₅H₅NO₃S₂



Rhodanine-N-acetic acid

min. 98 % (GC);

m. p.: 145-148°C;

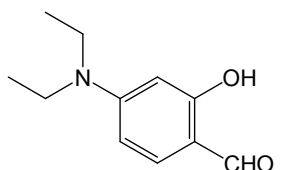
intermediate for synthesis of polymethine dyes;

4-(Diethylamino)-2-hydroxybenzaldehyde

ST03300

17754-90-4

C₁₁H₁₅NO₂



4-Diethylaminosalicylic aldehyde

min. 98 % (HPLC);

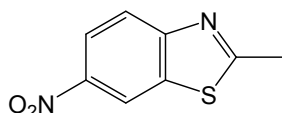
intermediate for the synthesis of coumarines;

2-Methyl-6-nitrobenzothiazole

ST01205

2941-63-1

C₈H₆N₂O₂S



min. 98 % (HPLC);

m. p.: 165-167°C;

intermediate for the synthesis of polymethine dyes;

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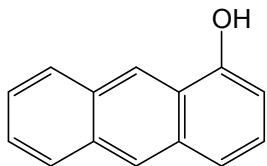
INTERMEDIATES FOR FUNCTIONAL DYES AND FLUORESCENTS

Anthracen-1-ol

ST06238

610-50-4

C₁₄H₁₀O



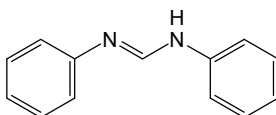
1-Hydroxyanthracen
min. 98 % (GC);

N,N'-Diphenylformamidine

ST00113

622-15-1

C₁₃H₁₂N₂



min. 97.5 % (HPLC);
m. p.: 138-140°C;

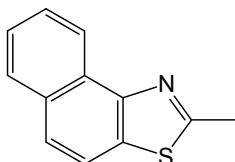
intermediate for synthesis of polymethine dyes;

2-Methylnaphtho[1,2-d]thiazole

ST00205

2682-45-3

C₁₂H₉NS



min. 98 % (HPLC);
m. p.: 91-94°C;

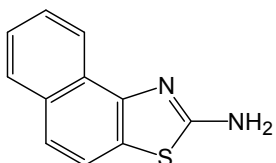
intermediate for synthesis of polymethine dyes;

2-Aminonaphtho[1,2-d]thiazole

ST00251

40172-65-4

C₁₁H₈N₂S



97-103 % (titr.);
m. p.: 185-190°C;

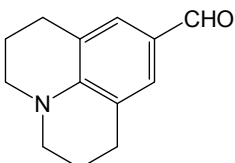
intermediate for synthesis of polymethine dyes;

9-Julolidine carboxaldehyde

ST02107

33985-71-6

C₁₃H₁₅NO



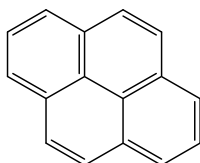
2,3,6,7-Tetrahydro-1H,5H-pyrido[3,2,1-ij]quinoline-9-carbaldehyde
min. 96 % (HPLC);
m. p.: 80-85°C;

Pyrene

ST03639

129-00-0

C₁₆H₁₀



min. 98 % (GC);
m. p.: 149-155°C;

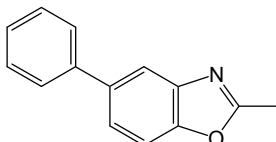
intermediate for violet and blue emitters;

2-Methyl-5-phenyl-benzoxazole

ST00222

61931-68-8

C₁₄H₁₁NO



min. 98 % (HPLC);
m. p.: 62-65°C;

intermediate for synthesis of polymethine dyes;

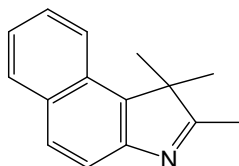
INTERMEDIATES FOR FUNCTIONAL DYES AND FLUORESCENTS

2,3,3-Trimethyl-3H-benzo[e]indole

ST00104

41532-84-7

C₁₅H₁₅N



min. 98 % (HPLC);

m. p.: 115-119°C;

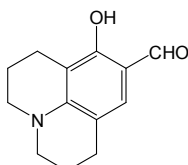
intermediate for synthesis of dyes;

8-Hydroxy-2,3,6,7-tetrahydro-1H,5H-benzo[i,j]quinolizine-9-carboxaldehyde

ST00779

63149-33-7

C₁₃H₁₅NO₂



8-Hydroxyjulolidine-9-carboxaldehyde

min. 98 % (HPLC);

m. p.: 68-74°C;

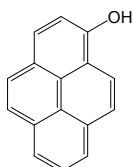
intermediate for the synthesis of coumarines;

1-Hydroxypyrene

ST03986

5315-79-7

C₁₆H₁₀O



min. 99 % (HPLC);

m. p.: 176-178°C;

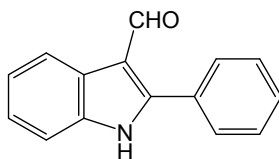
intermediate for violet emitters;

2-Phenylindole-3-aldehyde

ST00731

25365-71-3

C₁₅H₁₁NO



3-Formyl-2-phenylindole

min. 98 % (HPLC);

m. p.: 249-253°C;

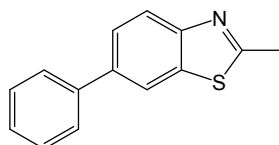
dye intermediate;

2-Methyl-6-phenylbenzothiazole

ST01648

107559-02-4

C₁₄H₁₁NS



min. 97 % (HPLC);

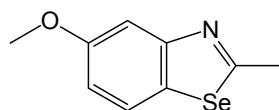
m. p.: 90-94 °C;

5-Methoxy-2-methylbenzoselenazole

ST00212

2946-17-0

C₉H₉NOSe



min. 97 % (GC);

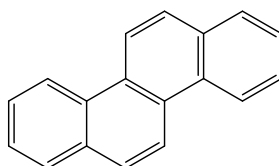
intermediate for synthesis of polymethine dyes;

Chrysene

ST03494

218-01-9

C₁₈H₁₂



min. 98% (HPLC);

m. p.: 254-256°C;

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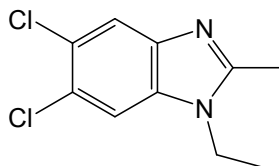
INTERMEDIATES FOR FUNCTIONAL DYES AND FLUORESCENTS

5,6-Dichloro-1-ethyl-2-methylbenzimidazole

ST00873

3237-62-5

C₁₀H₁₀Cl₂N₂



min. 95 % (GC);

m. p.: 108-110°C;

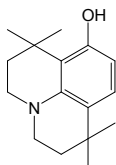
intermediate for the synthesis of polymethine dyes;

8-Hydroxy-1,1,7,7-tetramethyljulolidine

ST01398

115704-83-1

C₁₆H₂₃NO



HTMJ

min. 98 % (HPLC);

m. p.: 160-163°C;

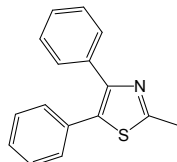
intermediate for the synthesis of coumarines;

2-Methyl-4,5-diphenylthiazole

ST00210

3755-83-7

C₁₆H₁₃NS



min. 97 % (HPLC);

m. p.: 50-53°C;

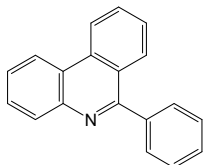
intermediate for synthesis of polymethine dyes;

6-Phenylphenanthridine

ST03961

2720-93-6

C₁₉H₁₃N



min 97 % (GC);

m. p.: 100-103°C;

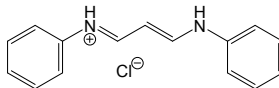
ligand for emitters based on metal complexes;

Malondialdehyde dianile hydrochloride

ST00673

28140-60-5

C₁₅H₁₅ClN₂



MAD

min. 99 % (HPLC);

m. p.: 220°C (dec.);

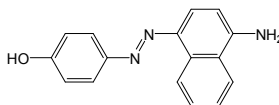
intermediate for synthesis of polymethine dyes;

4-(4-Aminonaphthalen-1-ylazo)phenol

ST02222

74217-45-1

C₁₆H₁₃N₃O



min. 95 % (HPLC);

abs. max.: 433 nm (acetone); m. p.: 177-183°C;

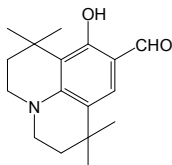
intermediate for synthesis of azo dyes;

8-Hydroxy-1,1,7,7-tetramethyljulolidine-9-carboxaldehyde

ST02677

115662-09-4

C₁₇H₂₃NO₂



min. 97 % (HPLC);

m. p.: 70-77°C;

organic synthesis for OLED;

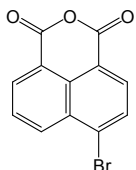
INTERMEDIATES FOR FUNCTIONAL DYES AND FLUORESCENTS

4-Bromo-1,8-naphthalic anhydride

ST04433

81-86-7

C₁₂H₅BrO₃



min. 98 % (GC); water: max. 0.5 % (KF);

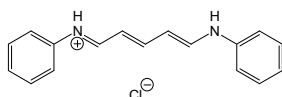
m. p.: 217-220°C;

Glutacondialdehyde dianile hydrochloride

ST00376

1497-49-0

C₁₇H₁₇ClN₂



GAD

min. 98.5 % (HPLC);

m. p.: approx. 126°C (dec.);

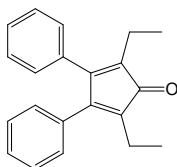
intermediate for synthesis of polymethine dyes;

2,5-Diethyl-3,4-diphenylcyclopentadienone

ST02232

51932-77-5

C₂₁H₂₀O



min. 94 % (GC);

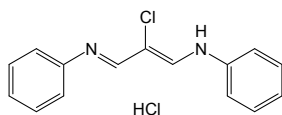
m. p.: 99-103°C;

N-(2-Chloro-3-phenylimino-1-propenyl)aniline hydrochloride

ST01887

6684-16-8

C₁₅H₁₃ClN₂ x HCl



min. 97 % (HPLC);

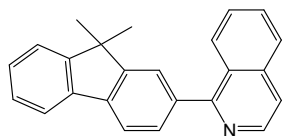
intermediate for the synthesis of polymethine dyes;

1-(9,9-Dimethylfluoren-2-yl)isoquinoline

ST03618

435277-99-9

C₂₄H₁₉N



min. 97 % (HPLC);

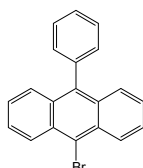
intermediate for emitters based on metal complexes;

9-Bromo-10-phenylantracene

ST04402

23674-20-6

C₂₀H₁₃Br



min. 99 % (GC);

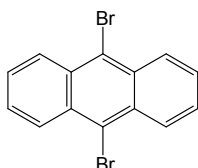
m. p.: 154-156°C;

9,10-Dibromoanthracene

ST03166

523-27-3

C₁₄H₈Br₂



min. 98 % (GC);

m.p.: 222-224 °C;

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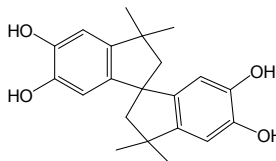
INTERMEDIATES FOR FUNCTIONAL DYES AND FLUORESCENTS

5,5',6,6'-Tetrahydroxy-3,3,3',3'-tetramethyl-1,1'-spirobisindane

ST00674

77-08-7

C₂₁H₂₄O₄



3,3,3',3'-Tetramethyl-spiro-1,1'-biindan-5,5',6,6'-tetrol
min. 97 % (HPLC); titr.: 98-102 %;

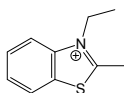
used for thermo sensitive paper in combination with ferric salts;

3-Ethyl-2-methylbenzothiazolium p-toluenesulfonate

ST01615

14933-76-7

C₁₇H₁₉NO₃S₂



¹H-NMR conforms;

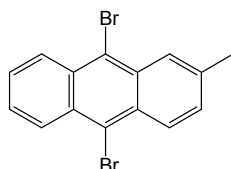
intermediate for synthesis of polymethine dyes;

9,10-Dibromo-2-methylantracene

ST04263

177839-45-1

C₁₅H₁₀Br₂



min. 99 % (GC);
m. p.: 138-143°C;

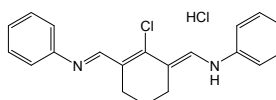
intermediate for blue-violet emitters;

N-[(2-Chloro-1-phenyliminomethyl-1-cyclohexene-3-ylidene)methyl]aniline hydrochloride

ST03088

63857-00-1

C₂₀H₂₀Cl₂N₂



3-Chloro-2,4-trimethyleneglutacondianil hydrochloride
min. 90 % (HPLC);

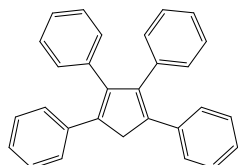
intermediate for the synthesis of polymethine dyes;

1,2,3,4-Tetraphenyl-1,3-cyclopentadiene

ST00366

15570-45-3

C₂₉H₂₂



min. 98 % (GC);
m. p.: 177-180°C;

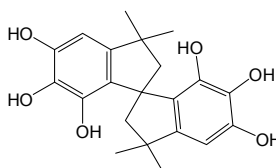
intermediate for the synthesis of polymethine dyes;

5,5',6,6',7,7'-Hexahydroxy-3,3,3',3'-tetramethylspirobiindane

ST01181

32737-33-0

C₂₁H₂₄O₆



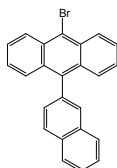
IR conforms;

9-Bromo-10-(naphthalen-2-yl)anthracene

ST04275

474688-73-8

C₂₄H₁₅Br



min. 99.5 % (GC);
m. p.: 171-174°C;

intermediate for dopant with blue emission;

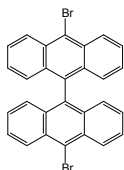
INTERMEDIATES FOR FUNCTIONAL DYES AND FLUORESCENTS

10,10'-Dibromo-9,9'-bianthracene

ST04264

121848-75-7

C28H16Br2



10,10'-Dibromo-9,9'-bianthryl

min. 98 % (GC);

m. p.: 345-346°C; 357-359°C (different references);

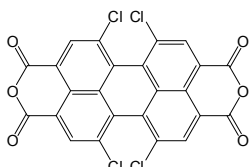
intermediate for blue emitters;

Tetrachloroperylene tetracarboxylic acid dianhydride

ST00639

156028-26-1

C24H4Cl4O6



min. 90% (HPLC); loss on drying: max. 3 %;

assay: min 90 % (calculated on Cl); technical grade;

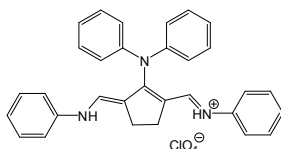
intermediate for the synthesis of perylene dyes;

N-Phenyl-N-[5-(phenylamino)methylene]-2-[(phenylimino)methyl]-1-yl]benzeneamine monoperchlorate

ST01533

120929-15-9

C31H28ClN3O4



abs. max.: 511 nm (MeCN); molar absorptivity: >50000 l/(mol*cm);

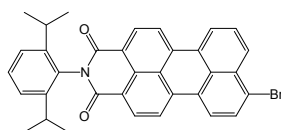
intermediate for the synthesis of NIR dyes;

8-Bromo-2-(2,6-diisopropylphenyl)-1H-benzo[5,10]anthra[2,1,9-def]isoquinoline-1,3(2H)-dione

ST06005

165550-62-9

C34H26BrNO2



min. 97 % (HPLC);

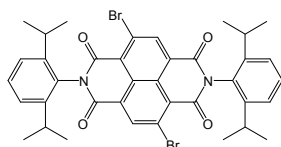
m. p.: > 300°C;

4,9-Dibromo-2,7-bis(2,6-diisopropylphenyl)benzo[1,2-m]phenanthroline-1,3,6,8-tetraone

ST06028

958872-48-5

C38H36Br2N2O4



NDI Br2

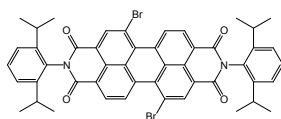
min. 97 % (HPLC);

5,12-Dibromo-2,9-bis(2,6-diisopropylphenyl)anthra[2,1,9-def;6,5,10-d'e'f']diisoquinoline-1,3,8,10-tetraone

ST06030

331861-94-0

C48H40Br2N2O4



PDI Br2

min. 98 % (HPLC);

m. p.: > 300°C;

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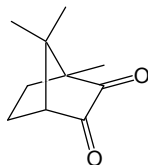
PHOTOINITIATORS

d,l-Camphor quinone

ST00517

10373-78-1

C₁₀H₁₄O₂



(+/-)-2,3-Bornanedione, 2,3-Bornanedione, DL-Camphoroquinone

min. 99.5 %; (selenium content max. 20 ppm);

m. p.: 191-193°C;

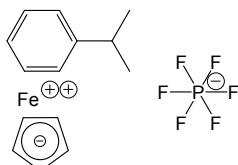
photo initiator for dental fillings;

(Cumol)-(cyclopentadienyl)iron(II)hexafluorophosphate

ST04697

32760-80-8

C₁₄H₁₇F₆FeP



¹H-NMR: conforms; TLC: min. 97 %;

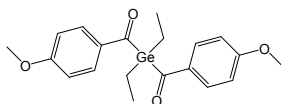
m. p.: 82-85°C;

Bis(4-methoxybenzoyl)diethylgermanium (Ivocerin®)

ST03909

1207515-90-9

C₂₀H₂₄GeO₄



For dental applications, please ask Ivoclar directly!

min. 96 % (HPLC), ¹H-NMR: conforms, Sulfur: max. 1 % (EA);

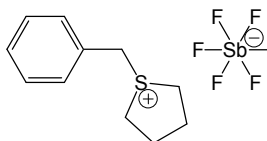
Highly sensitive photoinitiator for radical initiated polymerisation reactions. Excitation at 460 nm (blue diode). No inert gas required. Please consider the following patent group: Ivoclar Vivadent AG EP 1905415, EP 2103297, US 2009239967, JP 2009228005;

Benzylthiolaniumhexafluoroantimonate

ST04694

87301-55-1

C₁₁H₁₅F₆SSb



¹H-NMR: conforms; TLC: min. 97 %;

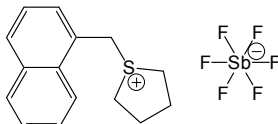
m. p.: 124°C;

S-[(1-Naphtyl)methyl]thiolanium hexafluoroantimonate

ST04696

151175-19-8

C₁₅H₁₇F₆SSb



¹H-NMR: conforms; TLC: min. 97 %;

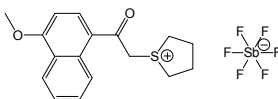
m. p.: 149-150°C;

S-[2-(4-Methoxynapht-1-yl)-2-oxoethyl]thiolanium hexafluoroantimonate

ST04695

219127-07-8

C₁₇H₁₉F₆O₂SSb



¹H-NMR: conforms; TLC: min. 97 %;

m. p.: 198-201°C;

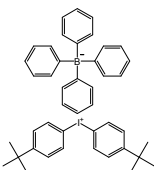
Bis(4-tert-butylphenyl)iodonium tetraphenylborate

ST06393

131725-16-1

C₄₄H₄₆BI

NEW



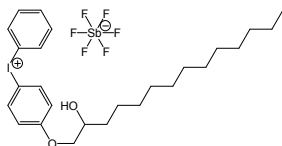
PHOTOINITIATORS

{4-[(2-Hydroxytetradecyl)oxy]phenyl}phenyliodonium hexafluoroantimonate

ST06012

139301-16-9

C₂₆H₃₈F₆IO₂Sb



min. 97 % (HPLC);

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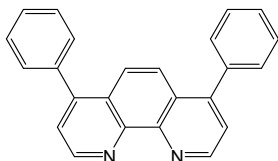
CHARGE TRANSPORT MATERIALS: ELECTRON TRANSPORT MATERIALS

4,7-Diphenyl-1,10-phenanthroline

ST03709

1662-01-7

C₂₄H₁₆N₂



Bathophenanthroline

min. 98 % (HPLC);

m. p.: 217-221°C;

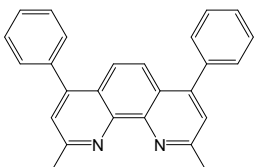
HOMO: -6,40 eV LUMO: -3,0 eV

2,9-Dimethyl-4,7-diphenyl-1,10-phenanthroline

ST02087

4733-39-5

C₂₆H₂₀N₂



Bathocuproine

min. 95 % (HPLC); 98-102 % (titr.);

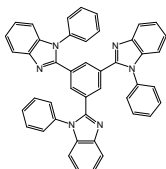
HOMO: -6,70 eV LUMO: -3,20 eV

1,3,5-Tris(1-phenyl-1H-benzimidazol-2-yl)benzene

ST02961

192198-85-9

C₄₅H₃₀N₆



TPBi

min. 99.5 % (HPLC);

m. p.: 272-274°C;

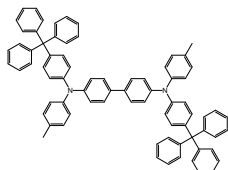
HOMO: -6,3 eV LUMO: -2,7 eV

CHARGE TRANSPORT MATERIALS: HOLE TRANSPORT MATERIALS

N,N'-Bis-(4-methyl-phenyl)-N,N'-bis-(4-triphenylmethyl-phenyl)-benzidine sublimed

ST02103S

C76H60N2



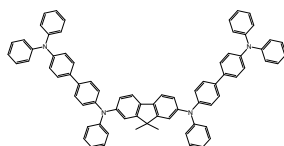
HOMO: -5,53 eV

2,7-Bis-(N-phenyl-N-(4'-N,N-diphenylamino-biphenyl-4-yl))-9,9-dimethyl-fluorene sublimed

ST01693S

463302-86-5

C75H58N4



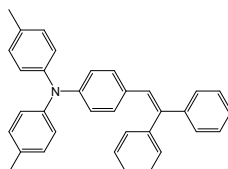
HOMO: -5,20 eV LUMO: -1,86 eV

4-(2,2-Bisphenyl-ethen-1-yl)-4',4''-dimethyl-triphenylamine sublimed

ST01374S

89114-91-0

C34H29N

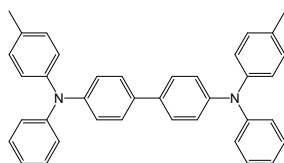


N,N'-Bis-(4-methylphenyl)-N,N'-bis-(phenyl)-benzidine sublimed

ST00016/04S

20441-06-9

C38H32N2



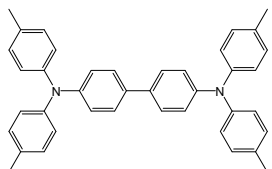
HOMO: -5.5 eV LUMO: -2.3 eV

N,N,N',N'-Tetrakis(4-methylphenyl)-benzidine sublimed

ST00016/03S

161485-60-5

C40H36N2



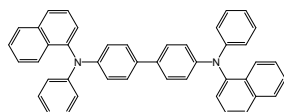
HOMO: -5,2 eV LUMO: -3,4 eV

N,N'-Di(naphthalen-1-yl)-N,N'-diphenyl-benzidine sublimed

ST00016/07S

123847-85-8

C44H32N2



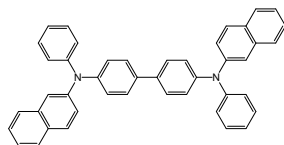
alpha-NPD
min. 99,5 % (HPLC)
272-278 ° C (onset, DSC), Tg 96 - 102 ° C (midpoint, DSC)
HOMO: -5,5 eV LUMO: -2,4 eV

N,N'-Di(naphthalen-2-yl)-N,N'-diphenyl-benzidine sublimed

ST00016/09S

139255-17-7

C44H32N2



HOMO: -5,2 eV LUMO: -2,4 eV

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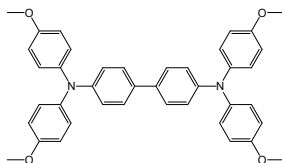
CHARGE TRANSPORT MATERIALS: HOLE TRANSPORT MATERIALS

N,N,N',N'-Tetrakis(4-methoxyphenyl)benzidine

ST05894

122738-21-0

C40H36N2O4



min. 99 % (HPLC);

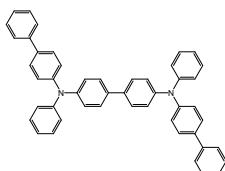
HOMO: -5,1 eV LUMO: -1,89 eV

N,N'-Bis-(phenyl)-N,N'-bis-(biphenyl-4-yl)-benzidine sublimed

ST00016/15S

134008-76-7

C48H36N2



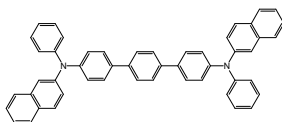
HOMO: -5,44 eV LUMO: -2,33 eV

4,4''-Bis(N-(naphth-2-yl)-N-phenyl-amino)-p-terphenyl; sublimed

ST06248S

757235-41-9

C50H36N2



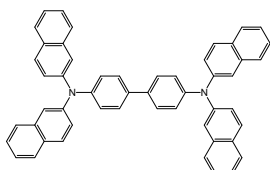
HOMO: -5,56 eV LUMO: -2,30 eV

N,N,N',N'-Tetrakis(naphth-2-yl)benzidine sublimed

ST00016/18S

141752-82-1

C52H36N2



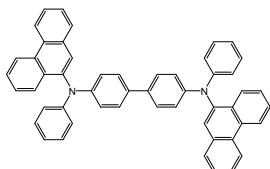
HOMO: -5,2 eV LUMO: -2,4 eV

N,N'-Bis(phenanthren-9-yl)-N,N'-bis-phenyl-benzidine sublimed

ST00016/19S

182507-83-1

C52H36N2



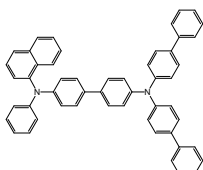
HOMO: -5,48 eV LUMO: -1,89 eV

4,4-Bis-(biphenyl-4-yl)-4'-phenyl-4''-(naph-1-yl)benzidine; sublimed

ST06247S

897671-42-0

C52H38N2



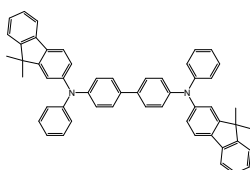
HOMO: -5,39 eV LUMO: -2,30 eV

N,N'-Diphenyl-N,N'-bis(9,9,-dimethylfluorenyl)benzidine

ST05190

361486-60-4

C54H44N2



PF-DBP

min. 99 % (HPLC); 1H-NMR: conforms;

HOMO: -5,39 eV LUMO: -2,30 eV

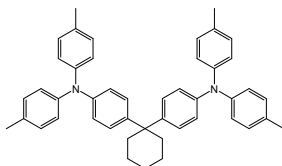
CHARGE TRANSPORT MATERIALS: HOLE TRANSPORT MATERIALS

1,1-Bis-(4-bis(4-methyl-phenyl)-amino-phenyl)-cyclohexane sublimed

ST00755S

58473-78-2

C46H46N2



TAPC

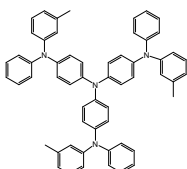
HOMO: -5,46 eV LUMO: -1,96 eV

4,4',4''-Tris(N-3-methylphenyl-N-phenylamino)triphenylamine

ST00627

124729-98-2

C57H48N4



m-TDATA

min. 99 % (HPLC);

m. p.: 207-208°C;

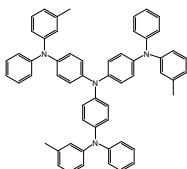
HOMO: -5,04 eV LUMO: -1,83 eV

4,4',4''-Tris(N-3-methylphenyl-N-phenylamino)triphenylamine sublimed

ST00627S

124729-98-2

C57H48N4



m-TDATA

min. 99. % (HPLC);

m. p.: 207-208°C;

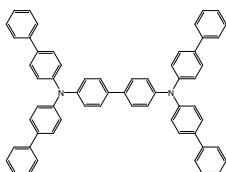
HOMO: -5,04 eV LUMO: -1,83 eV

N,N,N',N'-Tetrakis(biphenyl-4-yl)benzidine sublimed

ST00016/16S

164724-35-0

C60H44N2



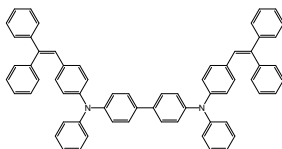
HOMO: -5,44 eV LUMO: -2,83 eV

N,N'-Di(4-(2,2-diphenyl-ethen-1-yl)phenyl)-N,N'-diphenyl-benzidine sublimed

ST01189S

218598-81-3

C64H48N2

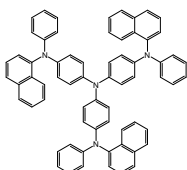


4,4',4''-Tris(N-(1-naphthyl)-N-phenyl-amino)triphenylamine sublimed

ST00638S

185690-39-5

C66H48N4



min. 99,5 % (HPLC)

248 - 252 ° C (peak, DSC)

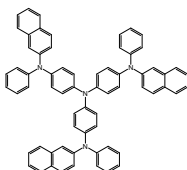
HOMO: -5,0 eV LUMO: -2,4 eV

4,4',4''-Tris(N-(2-naphthyl)-N-phenyl-amino)triphenylamine sublimed

ST00664S

185690-41-9

C66H48N4



min. 99.0 % (HPLC)

298 - 301 ° C (DSC, Peak)

HOMO: -5,1 eV LUMO: -2,4 eV

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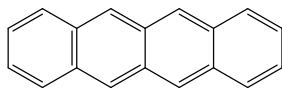
CHARGE TRANSPORT MATERIALS: SEMICONDUCTORS FOR OFET

Tetracene

ST03017

92-24-0

C₁₈H₁₂



Naphthacene

min. 98 % (HPLC);

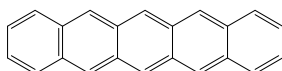
HOMO: -5,4 eV LUMO: -2,7 eV

Pentacene (sublimed)

ST02636

135-48-8

C₂₂H₁₄



Elemental analysis conforms;

m. p.: > 318°C;

HOMO: -5,0 eV LUMO: -2,47 eV

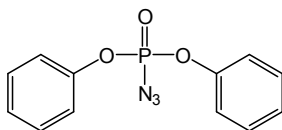
CHARGE TRANSPORT MATERIALS: MISCELLANEOUS

Phosphoric acid diphenyl ester azide

ST06421

26386-88-9

C₁₂H₁₀N₃O₃P

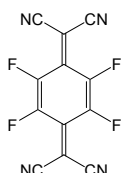


2,3,5,6-Tetrafluoro-7,7,8,8-tetracyanoquinodimethane

ST05891

29261-33-4

C₁₂F₄N₄



F4TCNQ

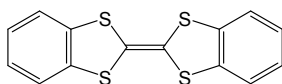
min. 98 % (GC);

Dibenzotetrathiafulvalene

ST03833

24648-13-3

C₁₄H₈S₄



[2,2']Bi[benzo[1,3]dithiolyliene]

¹H-NMR conforms;

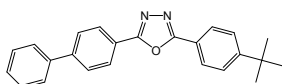
m. p.: 241-243°C;

2-(4-Biphenyl)-5-(4-tertbutylphenyl)-1,3,4-oxadiazole sublimed

ST01563S

15082-28-7

C₂₄H₂₂N₂O



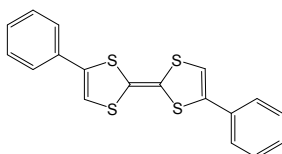
HOMO: -5,9 eV LUMO: -2,6 eV

4,4'-Diphenyltetrathiafulvalene

ST00041/01

5152-94-3

C₁₈H₁₂S₄



¹H-NMR conforms;

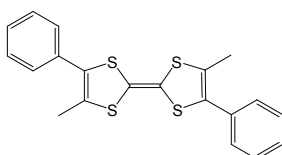
organic electronic conductor;

4,4'-Dimethyl-5,5'-diphenyltetrathiafulvalene

ST00041/10

56851-13-9

C₂₀H₁₆S₄



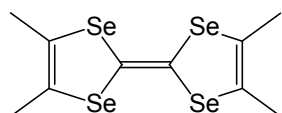
min. 97 % (HPLC);

4,5-Dimethyl-2-(4,5-dimethyl-1,3-diselenol-2-ylidene)-1,3-diselenole

ST04693

55259-49-9

C₁₀H₁₂Se₄



¹H-NMR: conforms;

m. p.: 274-276°C;

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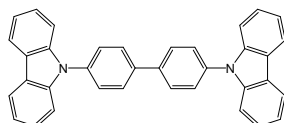
CHARGE TRANSPORT MATERIALS: MISCELLANEOUS

4,4'-Bis(carbazol-9-yl)-biphenyl sublimed

ST00918S

58328-31-7

C₃₆H₂₄N₂



CBP

min. 99 % (HPLC)

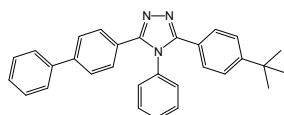
HOMO: -5,96 eV LUMO: -2,6 eV

3-(4-Biphenyl)-4-phenyl-5-tert-butylphenyl-1,2,4-triazole sublimed

ST00669S

150405-69-9

C₃₀H₂₇N₃



TAZ

min. 99.4 % (HPLC)

236-239 ° C (peak, DSC)

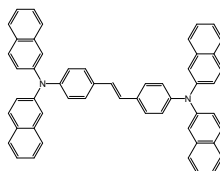
HOMO: -6,5 eV LUMO: -2,6 eV

4,4'-Di(dinaphthyl-2-ylamino)stilbene

ST04546

462631-35-2

C₅₄H₃₈N₂



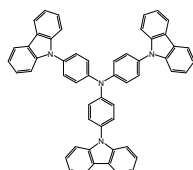
min. 99 % (HPLC);

4,4',4''-Tris(carbazol-9-yl)triphenylamine

ST00776

139092-78-7

C₅₄H₃₆N₄



TCTA

min. 99.0 % (HPLC); TLC: one spot;

m. p.: 299-301°C;

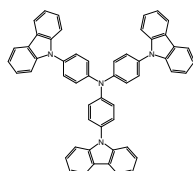
HOMO: -5,9 eV LUMO: -2,7 eV

4,4',4''-Tris(carbazol-9-yl)triphenylamine sublimed

ST00776S

139092-78-7

C₅₄H₃₆N₄



TCTA

min. 99.0 % (HPLC)

HOMO: -5,9 eV LUMO: -2,7 eV

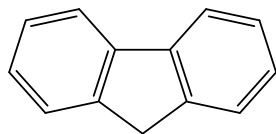
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: FLUORENES

Fluorene

ST03065

86-73-7

C₁₃H₁₀



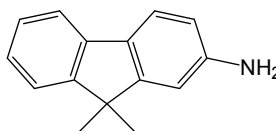
min. 98 % (GC);
m. p.: 112-116°C;

9,9-Dimethyl-9H-fluoren-2-ylamine

ST05315

108714-73-4

C₁₅H₁₅N



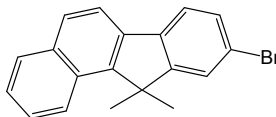
min. 99 % (HPLC);

9-Bromo-11,11-dimethyl-11H-benzo[a]fluorene

ST05930

1198396-29-0

C₁₉H₁₅Br



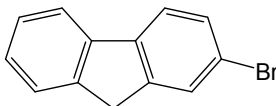
min. 97 % (HPLC);

2-Bromofluorene

ST01472

1133-80-8

C₁₃H₉Br



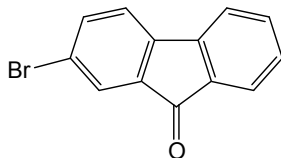
min. 98 % (GC);
m. p.: 112-114°C;

2-Bromo-9-fluorenon

ST02811

3096-56-8

C₁₃H₇BrO



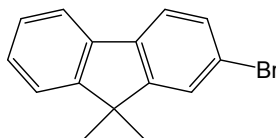
min. 97 % (GC);
m. p.: 146-148°C;

2-Bromo-9,9-dimethylfluoren

ST03619

28320-31-2

C₁₅H₁₃Br



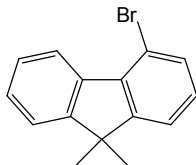
min. 98 % (GC);
m. p.: 63-66°C;

4-Bromo-9,9-dimethyl-9H-fluorene

ST05492

942615-32-9

C₁₅H₁₃Br



min. 98 % (GC);

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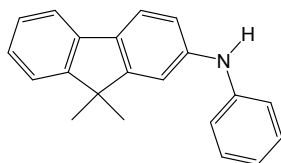
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: FLUORENES

9,9-Dimethyl-2-phenylaminofluorene

ST05864

355832-04-1

C₂₁H₁₉N



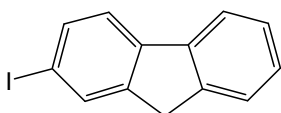
min. 99 % (GC);

2-Iodo-9H-fluorene

ST04148

2523-42-4

C₁₃H₉I



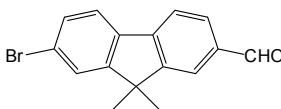
min. 97 % (HPLC);
m. p.: 126-129°C;

7-Bromo-9,9-dimethyl-9H-fluorene-2-carbaldehyde

ST05487

944940-90-3

C₁₆H₁₃BrO



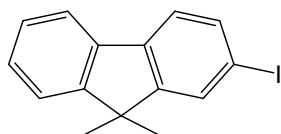
CHO min. 95 % (GC);

2-Iodo-9,9-dimethylfluorene

ST01561

144981-85-1

C₁₅H₁₃I



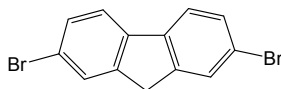
min. 97 % (GC);
m. p.: 65-66°C;

2,7-Dibromofluorene

ST01405

16433-88-8

C₁₃H₈Br₂



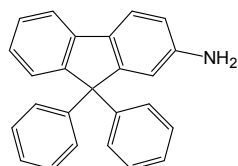
min. 98 % (HPLC);
m.p.: 164-167°C;

9,9-Diphenyl-9H-fluoren-2-ylamine

ST05498

1268519-74-9

C₂₅H₁₉N



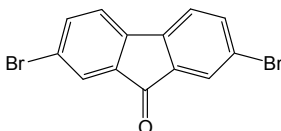
min. 98 % (HPLC);

2,7-Dibromofluoren-9-one

ST04149

14348-75-5

C₁₃H₆Br₂O



min. 98 % (1H-NMR);
m. p.: 203-207°C;

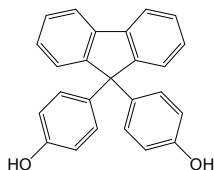
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: FLUORENES

4,4'-(9-Fluorenylidene)diphenol

ST04277

3236-71-3

C₂₅H₁₈O₂



min. 97 % (HPLC);

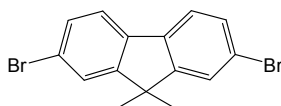
m. p.: 224-226°C;

2,7-Dibromo-9,9-dimethyl-fluorene

ST01498

28320-32-3

C₁₅H₁₂Br₂



min. 98 % (HPLC);

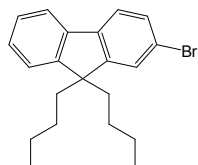
m.p. 178-180°C;

2-Bromo-9,9-di-n-butylfluoren

ST04070

88223-35-2

C₂₁H₂₅Br



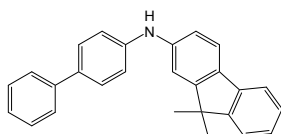
min. 97 % (HPLC);

Biphenyl-4-yl-(9,9-dimethyl-9H-fluoren-2-yl)amine

ST05476

897671-69-1

C₂₇H₂₃N



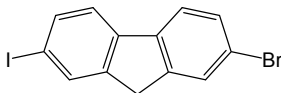
min. 99 % (HPLC);

2-Bromo-7-iodo-9H-fluoren

ST04127

123348-27-6

C₁₃H₈BrI



min. 97 % (GC);

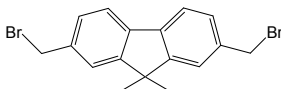
m. p.: 188-191°C;

2,7-Bis(bromomethyl)-9,9-dimethyl-9H-fluorene

ST04142

1033000-98-4

C₁₇H₁₆Br₂



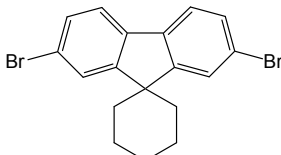
min. 98 % (1H-NMR);

2,7-Dibromospiro(cyclohexane-1',9--9H-fluorene)

ST04147

925890-05-7

C₁₈H₁₆Br₂



min. 98 % (1H-NMR);

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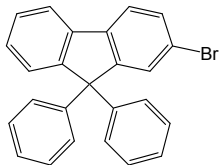
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: FLUORENES

2-Bromo-9,9-diphenyl-9H-fluorene

ST05254

474918-32-6

C₂₅H₁₇Br



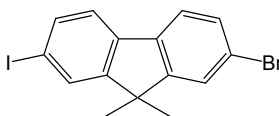
min. 98 % (HPLC);

2-Bromo-7-iodo-9,9-dimethyl-fluorene

ST04128

319906-45-1

C₁₅H₁₂BrI



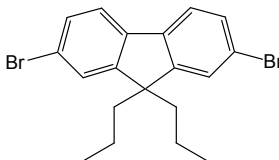
min. 97 % (GC);
m. p.: 190-192°C;

2,7-Dibromo-9,9-di(1-propyl)-9H-fluorene

ST04144

157771-56-7

C₁₉H₂₀Br₂



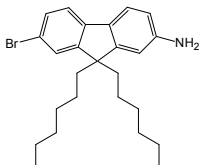
min. 98 % (HPLC);
m. p.: 138-140°C;

2-Amino-7-bromo-9,9-dihexylfluorene

ST05962

126414-52-7

C₂₅H₃₄BrN



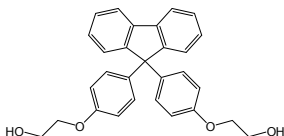
7-Bromo-9,9-dihexyl-9H-fluorene-2-ylamine
min. 98 % (GC);

Bisphenoxyethanolfuorene

ST05469

117344-32-8

C₂₉H₂₆O₄



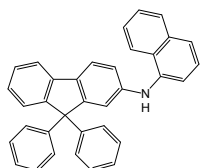
min. 99 % (HPLC);

(9,9-Diphenyl-9H-fluoren-2-yl)-naphthalen-1-yl-amine

ST05490

1196694-11-7

C₃₅H₂₅N



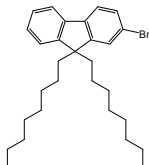
min. 99 % (HPLC);

2-Bromo-9,9-(di-n-octyl)-9H-fluorene

ST04044

302554-80-9

C₂₉H₄₁Br



min. 95 % (HPLC);

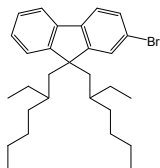
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: FLUORENES

2-Bromo-9,9-bis(2-ethylhexyl)fluorene

ST04072

355135-07-8

C₂₉H₄₁Br



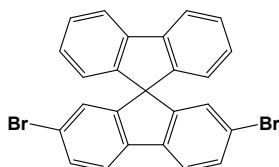
min. 97 % (HPLC);

2,7-Dibromo-9,9'-spirobi(fluorene)

ST04575

171408-84-7

C₂₅H₁₄Br₂



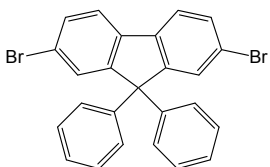
min. 98 % (GC);

2,7-Dibromo-9,9-diphenyl-9H-fluorene

ST05375

186259-63-2

C₂₅H₁₆Br₂



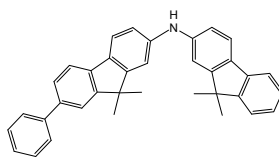
min. 99 % (HPLC);

N-(9,9-dimethyl-9H-fluoren-2-yl)-9,9-dimethyl-7-phenyl-9H-fluoren-2-amine

ST06088

1267248-45-2

C₃₆H₃₁N



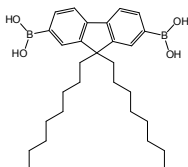
min. 98 % (GC);

9,9-Di-n-octyl-9H-fluorene-2,7-diboronic acid

ST04595

258865-48-4

C₂₉H₄₄B₂O₄



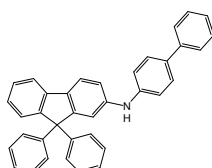
min. 97.5 % (HPLC); titr.: 95.5 - 104.5 % (NaOH);
m. p.: 158-162°C;

Biphenyl-4-yl-(9,9-diphenyl-9H-fluoren-2-yl)amine

ST05488

1268520-04-2

C₃₇H₂₇N



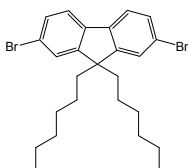
min. 99.5 % (HPLC);

2,7-Dibromo-9,9-di(1-hexyl)-9H-fluorene

ST04145

189367-54-2

C₂₅H₃₂Br₂



min. 98 % (1H-NMR);

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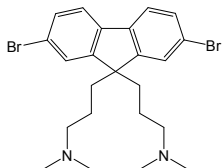
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: FLUORENES

2,7-Dibromo-9,9-bis(3-dimethylaminoprop-1-yl)-9H-fluorene

ST04530

673474-73-2

C₂₃H₃₀Br₂N₂



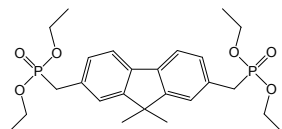
min. 95 % (HPLC);

2,7-Bis(diethylphosphonomethyl)-9,9-dimethyl-9H-fluorene

ST04143

1033000-99-5

C₂₅H₃₆O₆P₂



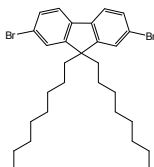
min. 98 % (1H-NMR);

2,7-Dibromo-9,9-di-n-octyl-9H-fluorene

ST04594

198964-46-4

C₂₉H₄₀Br₂



95.5 - 104.5 % (titr. of bromide);

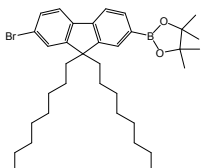
m. p.: 59-63°C;

2-(7-Bromo-9,9-dioctyl-9H-fluoren-2-yl)-4,4,5,5-tetramethyl-1,3-dioxolane

ST06301

620624-96-6

C₃₆H₅₃BrO₂



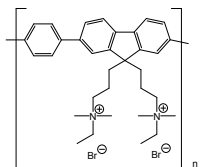
97% (GC)

Poly-{9,9-bis[3-(N,N-dimethyl-N-ethylammonium)-1-propyl]-2,7-fluoren}-alt-1,4-phenylene dibromid

ST04534

889673-03-4

(C₃₃H₄₄Br₂N₂) x n



P4

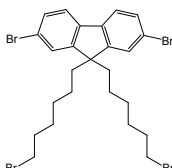
min. 90 % (HPLC);

9,9-Bis(6-bromohexyl)-2,7-dibromofluorene

ST04369

570414-33-4

C₂₅H₃₀Br₄



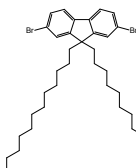
min. 95 % (HPLC); 1H-NMR conforms;

2,7-Dibromo-9,9-di(1-dodecyl)-9H-fluorene

ST04146

286438-45-7

C₃₇H₅₆Br₂



min. 98 % (1H-NMR);

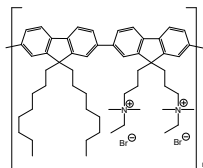
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: FLUORENES

Poly-{9,9-bis[3-(N,N-dimethyl-N-ethylammonium)-1-propyl]-2,7-fluorenyl-alt-2,7-(9,9-dioctylfluorenyl)}
dibromide

ST04532

889672-99-5

$(C_{56}H_{80}Br_2N_2) \times n$



P2

¹H-NMR conforms;

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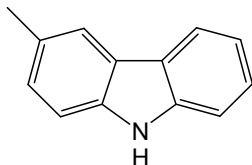
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: CARBAZOLES

3-Methyl-9H-carbazole

ST04152

4630-20-0

C₁₃H₁₁N



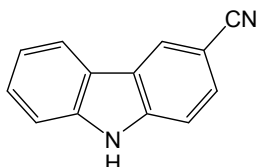
min. 98 % (HPLC);

9H-Carbazole-3-carbonitrile

ST05938

57102-93-9

C₁₃H₈N₂



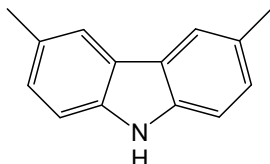
3-Cyanocarbazole
min. 97 % (HPLC);

3,6-Dimethyl-9H-carbazole

ST04153

5599-50-8

C₁₄H₁₃N



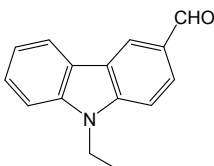
min. 97 % (HPLC);
m. p.: 219-224°C;

9-Ethylcarbazole-3-carbaldehyde

ST00028

7570-45-8

C₁₅H₁₃NO



min. 98 % (HPLC);
m. p.: 86-88°C;

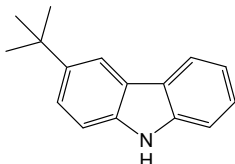
intermediate for synthesis of organic photoconductors;

3-tert-Butyl-9H-carbazole

ST04150

22401-74-7

C₁₆H₁₇N



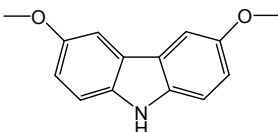
min. 98 % (HPLC);

3,6-Dimethoxy-9H-carbazole

ST06300

57103-01-2

C₁₄H₁₃NO₂



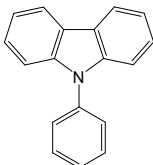
98% (HPLC)

9-Phenylcarbazole

ST03032

1150-62-5

C₁₈H₁₃N



N-Phenylcarbazole
min. 97 % (GC);
m. p.: 95-97°C;

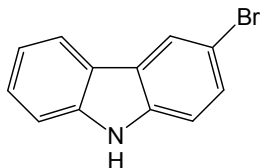
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: CARBAZOLES

3-Bromo-9H-carbazole

ST04154

1592-95-6

C₁₂H₈BrN



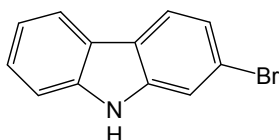
min. 97 % (1H-NMR);

2-Bromo-9H-carbazole

ST04157

3652-90-2

C₁₂H₈BrN



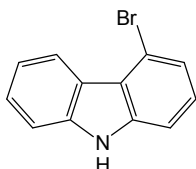
min. 98 % (HPLC); 1H-NMR: conforms;
m. p.: 252-256°C;

4-Bromo-9H-carbazole

ST05699

3652-89-9

C₁₂H₈BrN



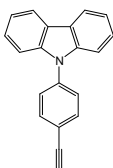
min. 99 % (GC);

9-(4-Ethynylphenyl)-9H-carbazole

ST04174

262861-81-4

C₂₀H₁₃N



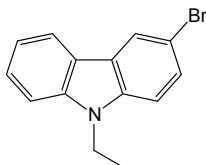
min. 98 % (HPLC, 1H-NMR);
m. p.: 106-107°C;

3-Bromo-9-ethyl-9H-carbazole

ST05698

57102-97-3

C₁₄H₁₂BrN



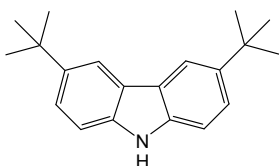
min. 99 % (GC);

3,6-Di(tert-butyl)-9H-carbazole

ST04151

37500-95-1

C₂₀H₂₅N



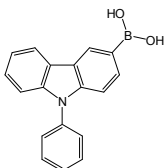
min. 98 % (HPLC);
m. p.: 228-232°C;

9-Phenyl-9H-carbazol-3-ylboronic acid

ST04141

854952-58-2

C₁₈H₁₄BO₂



min. 97 % (1H-NMR);

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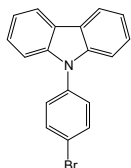
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: CARBAZOLES

9-(4-Bromo-phenyl)-9H-carbazole

ST04160

57102-42-8

C₁₈H₁₂BrN



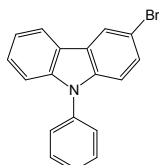
min. 98 % (GC);
m. p.: 145-150°C;

3-Bromo-9-phenyl-9H-carbazole

ST04427

1153-85-1

C₁₈H₁₂BrN



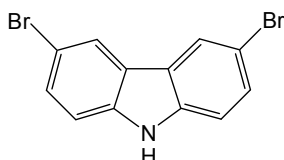
3-Bromo-N-phenylcarbazole
min. 98 % (GC);
m. p.: 77-80°C;

3,6-Dibromo-9H-carbazole

ST04155

6825-20-3

C₁₂H₇Br₂N



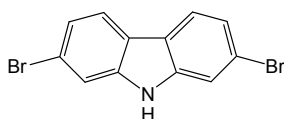
min. 98 % (HPLC); 1H-NMR conforms;
m. p.: 206-210°C;

2,7-Dibromo-9H-carbazole

ST04156

136630-39-2

C₁₂H₇Br₂N



min. 98 % (HPLC);
m. p.: 228-231°C;

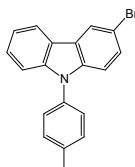
Intermediate for charge transport material;

3-Bromo-9-p-tolyl-9H-carbazole

ST05590

731016-44-7

C₁₉H₁₄BrN



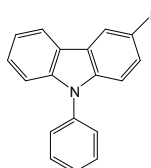
min. 99 % (HPLC);

3-Iodo-N-phenylcarbazole

ST03721

502161-03-7

C₁₈H₁₂I₂N



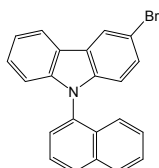
min. 98 % (GC);
m. p.: 103-106°C;

3-Bromo-9-naphthalen-1-yl-9H-carbazole

ST05618

934545-83-2

C₂₂H₁₄BrN



min. 99 % (HPLC);

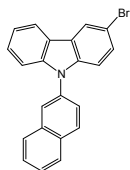
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: CARBAZOLES

3-Bromo-9-naphthalen-2-yl-9H-carbazole

ST05619

1427316-53-7

C₂₂H₁₄BrN



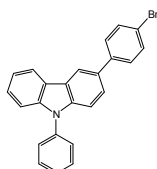
min. 99 % (HPLC);

3-(4-Bromophenyl)-9-phenyl-9H-carbazole

ST05501

1028647-93-9

C₂₄H₁₆BrN



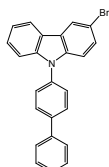
min. 99 % (HPLC);

9-Biphenyl-4-yl-3-bromo-9H-carbazole

ST05620

894791-46-9

C₂₄H₁₆BrN



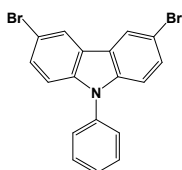
min. 99 % (HPLC);

3,6-Dibromo-9-phenyl-9H-carbazole

ST04577

57103-20-5

C₁₈H₁₁Br₂N



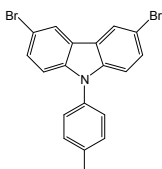
min. 98 % (GC);

3,6-Dibromo-9-p-tolyl-9H-carbazole

ST04158

357437-74-2

C₁₉H₁₃Br₂N



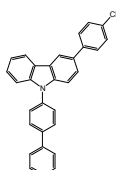
min. 98 % (HPLC); 1H-NMR conforms;
m. p.: 207-210°C;

9-Biphenyl-4-yl-3-(4-chlorophenyl)-9H-carbazole

ST05502

1219821-48-3

C₃₀H₂₀ClN



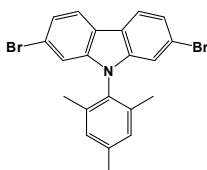
min. 99 % (HPLC);

2,7-Dibromo-9-mesityl-9H-carbazole

ST06273

1873363-34-8

C₂₁H₁₇Br₂N



min. 98 % (GC)

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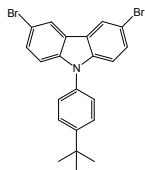
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: CARBAZOLES

3,6-Dibromo-9-(4-tert-butylphenyl)-9H-carbazole

ST04159

741293-42-5

C₂₂H₁₉Br₂N



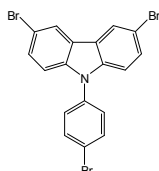
min. 98 % (1H-NMR);

3,6-Dibromo-9-(4-bromo-phenyl)-9H-carbazole

ST04161

73087-83-9

C₁₈H₁₀Br₃N



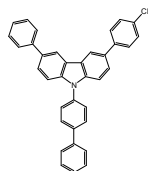
min. 98 % (HPLC); 1H-NMR conforms;
m. p.: 207-210°C;

9-Biphenyl-4-yl-3-(4-chlorophenyl)-6-phenyl-9H-carbazole

ST05552

1221238-04-5

C₃₆H₂₄ClN



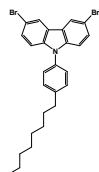
min. 99 % (HPLC);

3,6-Dibromo-9-(4-octylphenyl)-9H-carbazole

ST06272

1186524-00-4

C₂₆H₂₇Br₂N



min. 98 % (GC)

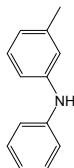
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: ARYLAMINES

N-Phenyl-m-toluidine

ST00019

1205-64-7

C₁₃H₁₃N



3-Methyldiphenylamine

min. 98 % (GC);

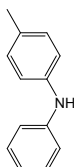
intermediate for synthesis of organic photoconductors;

4-Methyl-diphenylamine

ST00670

620-84-8

C₁₃H₁₃N



min. 98 % (HPLC);

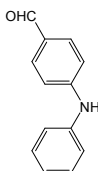
m.p.: 86-90°C;

4-Phenylaminobenzaldehyde

ST04167

100727-07-9

C₁₃H₁₁NO



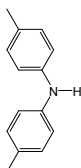
min. 98 % (1H-NMR);

di(p-tolyl)amine

ST00671

620-93-9

C₁₄H₁₅N



min. 98 % (HPLC);

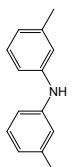
m. p.: 79-83°C;

3,3'-Dimethyl-diphenylamine

ST00723

626-13-1

C₁₄H₁₅N



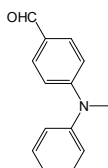
min. 98 % (GC);

4-(Methyl(phenyl)amino)benzaldehyde

ST04218

55489-38-8

C₁₄H₁₃NO



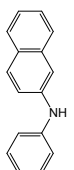
min. 97 % (HPLC);

N-Phenyl-2-naphthylamine

ST02866

135-88-6

C₁₆H₁₃N



min. 97 % (GC); min. 97 % (HPLC);

m. p.: 105-110°C;

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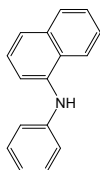
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: ARYLAMINES

N-Phenyl-1-naphthylamine

ST02867

90-30-2

C₁₆H₁₃N



min. 98 % (GC);

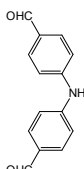
m. p.: 59-63°C

4,4'-Diformyldiphenylamine

ST04166

336619-72-8

C₁₄H₁₁NO₂



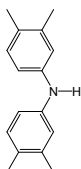
min. 98 % (1H-NMR);

Bis(3,4-dimethylphenyl)amine

ST00738

55389-75-8

C₁₆H₁₉N



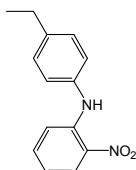
min. 97 % (HPLC);

m. p.: 72-74°C;

N-(4-Ethylphenyl)-2-nitroaniline

ST06341

C₁₄H₁₄N₂O₂



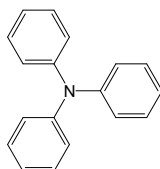
97,00 - 100,00 % (GC)

Triphenylamine

ST00635

603-34-9

C₁₈H₁₅N



min. 99 % (GC);

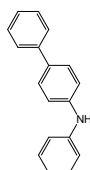
m. p.: 125-130°C;

N-(4-Biphenyl)-N-phenylamine

ST01491

32228-99-2

C₁₈H₁₅N



N-(4-Biphenyl)anilin

min. 99.5 % (HPLC);

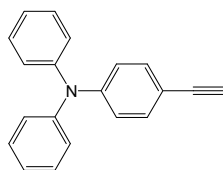
m. p.: 112-114°C;

(4-Ethynylphenyl)diphenylamine

ST04172

205877-26-5

C₂₀H₁₅N



min. 98 % (HPLC); 1H-NMR conforms;

m. p.: 109-111°C;

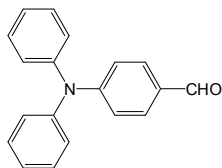
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: ARYLAMINES

4-(Diphenylamino)benzaldehyde

ST00029

4181-05-9

C₁₉H₁₅NO



min. 98 % (HPLC);

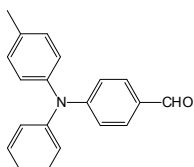
m. p.: min. 131°C;

4-(Phenyl-p-tolylamino)benzaldehyde

ST04164

89115-21-9

C₂₀H₁₇NO



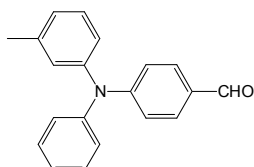
min. 98 % (1H-NMR);

4-((Phenyl-m-tolyl)amino)benzaldehyde

ST04165

218272-56-1

C₂₀H₁₇NO



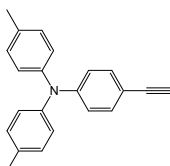
min. 98 % (1H-NMR);

(4-Ethynylphenyl)-di-p-tolylamine

ST04173

596109-87-4

C₂₂H₁₉N



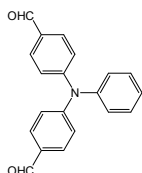
min. 98 % (1H-NMR);

4,4'-Diformyltriphenylamine

ST04162

53566-95-3

C₂₀H₁₅NO₂



min. 97 % (HPLC);

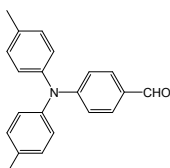
m. p.: 142-146°C;

N,N-Bis(4-methylphenyl)aminobenzaldehyde

ST01228

42906-19-4

C₂₁H₁₉NO



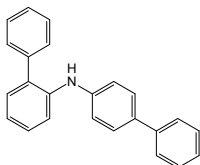
min. 97% (HPLC);

(Biphenyl-4-yl)biphenyl-2-ylamine

ST04672

1372775-52-4

C₂₄H₁₉N



min. 98 % (HPLC);

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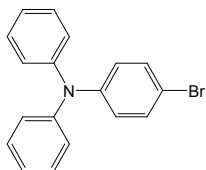
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: ARYLAMINES

4-Bromotriphenylamine

ST03673

36809-26-4

C₁₈H₁₄BrN



min. 97 % (HPLC);

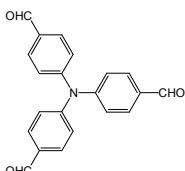
m. p.: 108-112°C;

4,4',4''-Triformyltriphenylamine

ST04163

119001-43-3

C₂₁H₁₅NO₃



min. 97 % (HPLC);

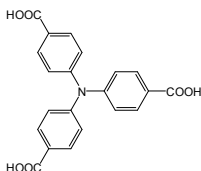
m. p.: 244-248°C;

4,4',4''-Nitrilotrisbenzoic acid

ST05852

118996-38-6

C₂₁H₁₅NO₆



4,4',4''-Tricarboxytriphenylamine

min. 97 % (HPLC);

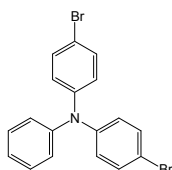
m. p.: 329-332°C;

4,4'-Dibromo-triphenylamine

ST04664

81090-53-1

C₁₈H₁₃Br₂N



min. 98 % (GC);

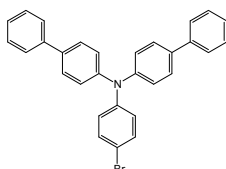
m. p.: 69°C;

Bis(biphenyl-4-yl)-(4-bromo-phenyl)amine

ST05917

499128-71-1

C₃₀H₂₂BrN



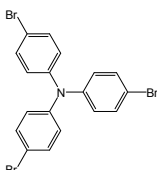
min. 99 % (HPLC);

Tris(4-Bromophenyl)amine

ST03332

4316-58-9

C₁₈H₁₂Br₃N



min. 98 % (HPLC);

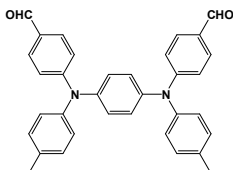
m.p.: 143-145°C;

4,4'-(1,4-phenylenebis(4-methylphenyl)imino)dibenzaldehyde

ST04487

131660-39-4

C₃₄H₂₈N₂O₂



min. 98 % (1H-NMR);

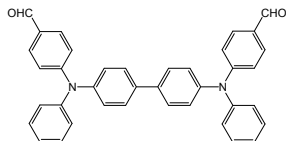
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: ARYLAMINES

N,N'-Diphenyl-N,N'-di(4-formylphenyl)benzidine

ST04171

137911-28-5

C38H28N2O2



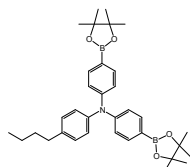
min. 98 % (HPLC); 1H-NMR conforms;
m. p.: 183-187°C;

N-(4-Butyl)-N,N-bis[4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]aniline

ST06007

444289-55-8

C34H45B2NO4



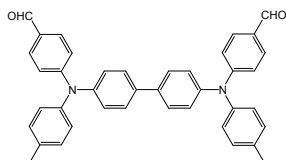
min. 98 % (GC); 1H-NMR conforms;

N,N'-Di-p-tolyl-N,N'-di(4-formylphenyl)benzidine

ST04169

181064-88-0

C40H32N2O2



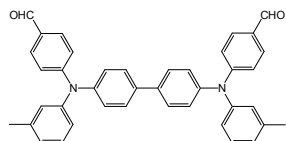
min. 98 % (1H-NMR);

N,N'-Di-m-tolyl-N,N'-di(4-formylphenyl)benzidine

ST04170

462102-80-3

C40H32N2O2



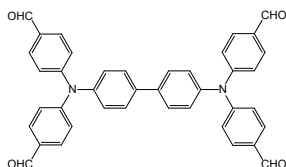
min. 98 % (1H-NMR);

N,N,N',N'-Tetra(4-formylphenyl)benzidine

ST04168

865448-72-2

C40H28N2O4



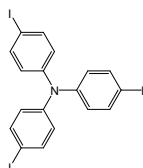
min. 98 % (1H-NMR);

Tris(4-iodophenyl)amine

ST00577

4181-20-8

C18H12I3N



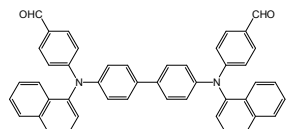
min. 98 % (HPLC);
m. p.: 183-185°C;

4,4'-(1,1'-Biphenyl-4,4'-diylbis(1-naphthalenyliminodiyl))dibenzaldehyde

ST04486

854938-56-0

C46H32N2O2



min. 98 % (1H-NMR);

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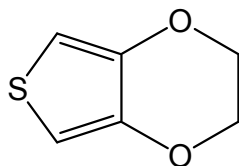
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: MISCELLANEOUS

2,3-Dihydrothieno[3,4-b]-1,4-dioxin

ST03594

126213-50-1

C₆H₆O₂S



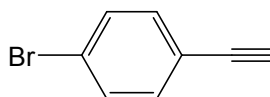
EDOT
min. 99 % (GC);
b. p.: 225°C;

1-Bromo-4-ethynylbenzene

ST02579

766-96-1

C₈H₅Br



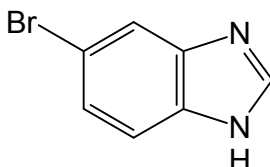
4-Bromophenylacetylene
min. 98 % (GC);
m. p.: 64-67°C;

5-Bromo-1H-benzoimidazole

ST05926

4887-88-1

C₇H₅BrN₂



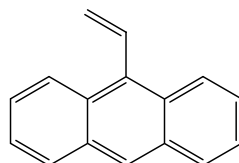
min. 98 % (GC);

9-Vinylanthracene

ST05910

2444-68-0

C₁₆H₁₂



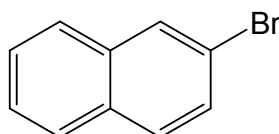
min. 99 % (GC);

2-Bromonaphthalene

ST02294

580-13-2

C₁₀H₇Br



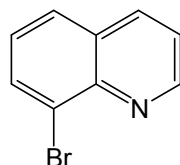
min. 98 % (GC);
m. p.: 53-56°C;

8-Bromoquinoline

ST05925

16567-18-3

C₉H₆BrN



min. 98 % (GC);

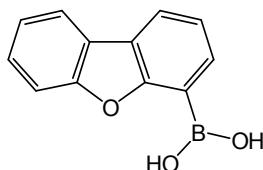
Dibenzofuran-4-boronic acid

ST06433

100124-06-9

C₁₂H₉BO₃

NEW



min. 99 %

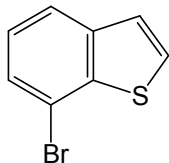
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: MISCELLANEOUS

7-Bromo-benzo[b]thiophene

ST05933

1423-61-6

C₈H₅BrS



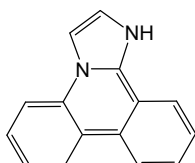
min. 98 % (GC);

1,8-Dihydroimidazo[1,2-f]phenanthridine

ST05928

37694-95-4

C₁₅H₁₂N₂



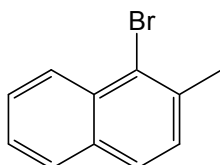
min. 98 % (HPLC);

1-Bromo-2-methylnaphthalene

ST05913

2586-62-1

C₁₁H₉Br



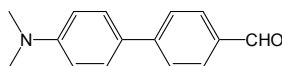
min. 98 % (GC);

4-Dimethylamino-biphenyl-4-carbaldehyde

ST04217

173991-06-5

C₁₅H₁₅NO



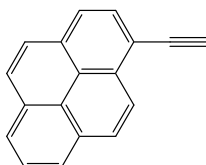
min. 97 % (HPLC);

1-Ethynylpyrene

ST04685

34993-56-1

C₁₈H₁₀



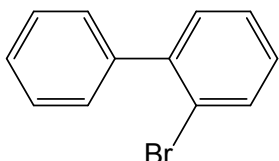
min. 95 % (HPLC); 1H-NMR conforms;

2-Bromobiphenyl

ST01556

2052-07-5

C₁₂H₉Br



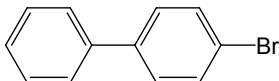
min. 98 % (GC);

4-Bromobiphenyl

ST01624

92-66-0

C₁₂H₉Br



min. 98 % (HPLC);
m. p.: 88-91°C;

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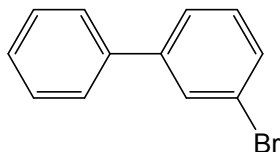
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: MISCELLANEOUS

3-Bromobiphenyl

ST01974

2113-57-7

C₁₂H₉Br



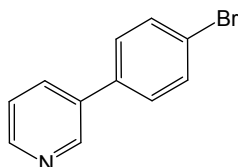
min. 97.5 % (GC);

3-(4-Bromophenyl)pyridine

ST05919

129013-83-8

C₁₁H₈BrN



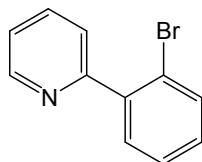
min. 98 % (GC);

2-(2-Bromophenyl)pyridine

ST05920

109306-86-7

C₁₁H₈BrN



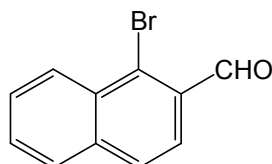
min. 99 % (GC);

1-Bromonaphthalene-2-carbaldehyde

ST05914

3378-82-3

C₁₁H₇BrO



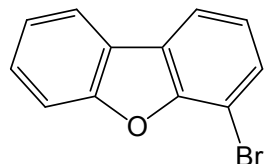
min. 99 % (GC);

4-Bromodibenzofuran

ST05934

89827-45-2

C₁₂H₇BrO



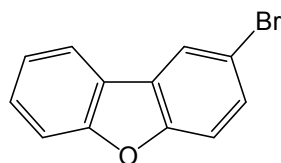
min. 99 % (GC);

2-Bromodibenzofuran

ST05972

86-76-0

C₁₂H₇BrO



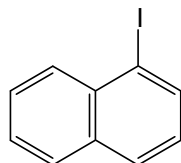
min. 95 % (GC);

1-Iodonaphthalene

ST04583

90-14-2

C₁₀H₇I



min. 99 % (GC);

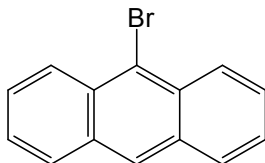
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: MISCELLANEOUS

9-Bromoanthracene

ST02884

1564-64-3

C₁₄H₉Br



min. 98 % (GC);

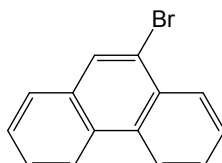
m. p.: 98-100°C;

9-Bromophenanthrene

ST03023

573-17-1

C₁₄H₉Br



min. 98 % (GC);

m. p.: 60-64°C;

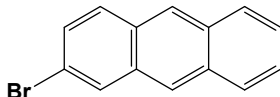
intermediate for OLED products;

2-Bromoanthracene

ST04578

7321-27-9

C₁₄H₉Br



min. 98 % (GC);

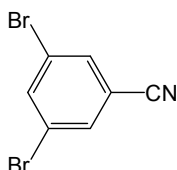
m. p.: 219-223°C;

3,5-Dibromobenzonitrile

ST05929

97165-77-0

C₇H₃Br₂N



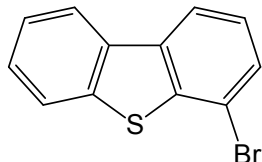
min. 99 % (GC);

4-Bromodibenzothiophene

ST05931

97511-05-2

C₁₂H₇BrS



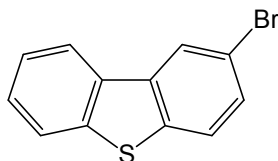
min. 99 % (GC);

2-Bromodibenzothiophene

ST05932

22439-61-8

C₁₂H₇BrS



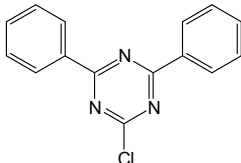
min. 99 % (GC);

2-Chloro-4,6-diphenyl[1,3,5]triazine

ST05923

3842-55-5

C₁₅H₁₀ClN₃



min. 99 % (GC);

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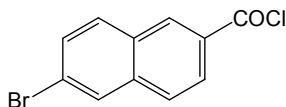
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: MISCELLANEOUS

6-Bromonaphthalene-2-carbonyl chloride

ST05915

87700-60-5

C₁₁H₆BrClO



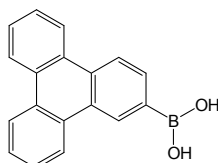
min. 98 % (GC);

Triphenylene-2-boronic acid

ST04629

654664-63-8

C₁₈H₁₃BO₂



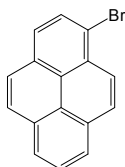
min. 95 % (1H-NMR);

1-Bromopyrene

ST01496

1714-29-0

C₁₆H₉Br

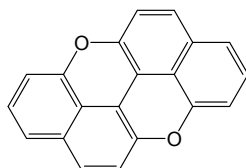


Xantheno[2,1,9,8-klmna]xanthene

ST04527

191-28-6

C₂₀H₁₀O₂



PXX

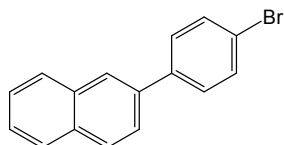
min. 95 % (HPLC);

2-(4-Bromophenyl)naphthalene

ST05911

22082-99-1

C₁₆H₁₁Br



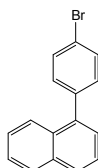
min. 99 % (HPLC)

1-(4-Bromophenyl)naphthalene

ST05912

204530-94-9

C₁₆H₁₁Br



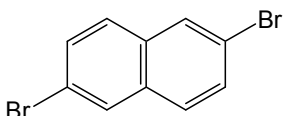
min. 99 % (GC);

2,6-Dibromonaphthalene

ST04556

13720-06-4

C₁₀H₆Br₂



min. 99 % (HPLC);

m. p.: 162-167°C;

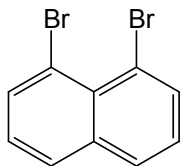
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: MISCELLANEOUS

1,8-Dibromonaphthalene

ST05916

17135-74-9

C₁₀H₆Br₂



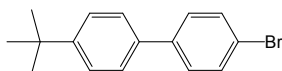
min. 98 % (GC);

4-Bromo-4'-tert-butylbiphenyl

ST03345

162258-89-1

C₁₆H₁₇Br



4-Bromo-4'-tert-butyl-1,1'-biphenyl

min. 98 % (GC);

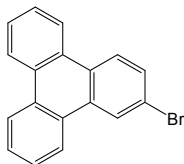
m. p.: 141-143°C;

2-Bromotriphenylene

ST04628

19111-87-6

C₁₈H₁₁Br



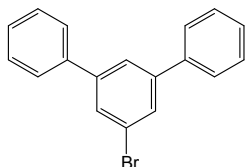
min. 98 % (HPLC);

5'-Bromo[1,1';3',1'']terphenyl

ST05922

103068-20-8

C₁₈H₁₃Br



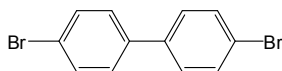
min. 99 % (HPLC);

4,4'-Dibromobiphenyl

ST01438

92-86-4

C₁₂H₈Br₂



min. 98 % (GC);

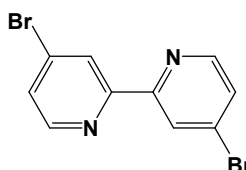
m. p.: 166-169°C;

4,4'-Dibromo-2,2'-bipyridine

ST04579

18511-71-2

C₁₀H₆Br₂N₂



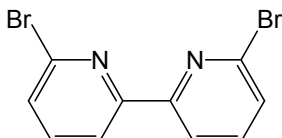
min. 98 % (GC);

6,6'-Dibromo[2,2']bipyridinyl

ST05921

49669-22-9

C₁₀H₆Br₂N₂



min. 98 % (GC);

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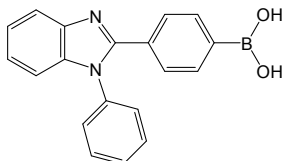
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: MISCELLANEOUS

4-(1-Phenyl-1H-benzimidazol-2-yl)phenylboronic acid

ST03905

952514-79-3

C₁₉H₁₅BN₂O₂



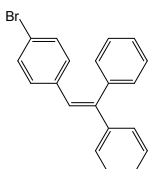
98-102 % (titr); ¹H-NMR conforms;

(2-(4-bromophenyl)ethene-1,1-diyl)dibenzene

ST04307

18648-66-3

C₂₀H₁₅Br



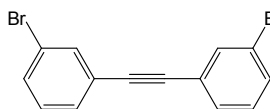
2-(4-Bromophenyl)-1,1-diphenylethene
min. 97 % (GC);

Bis(3-bromophenyl)acetylene

ST03937

91790-32-8

C₁₄H₈Br₂



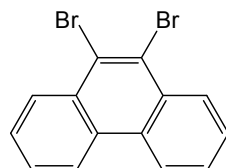
3,3'-Dibromotolane
min. 99 % (GC);

9,10-Dibromophenanthrene

ST05918

15810-15-8

C₁₄H₈Br₂



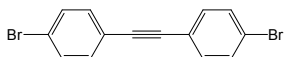
min. 98 % (GC);

4,4'-Dibromotolane

ST01567

2789-89-1

C₁₄H₈Br₂



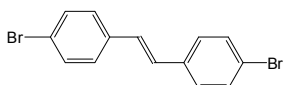
min. 97 % (GC);
m. p.: 185-186°C;

4,4'-Dibromostilbene

ST01566

18869-30-2

C₁₄H₁₀Br₂



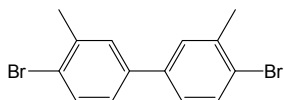
min. 98 % (GC);

4,4'-Dibromo-3,3'-dimethylbiphenyl

ST03873

61794-96-5

C₁₄H₁₂Br₂



min. 98 % (GC);

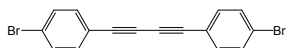
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: MISCELLANEOUS

1,4-Bis(4-bromophenyl)buta-1,3-diyne

ST04362

959-88-6

C₁₆H₈Br₂



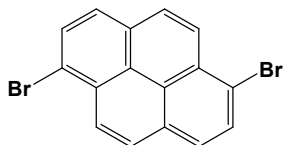
4',4''-Dibromodiphenylbutadiyne
min. 97 % (HPLC); ¹H-NMR conforms;

1,6-Dibromopyrene

ST04580

27973-29-1

C₁₆H₈Br₂



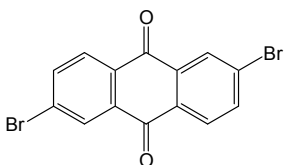
min. 98 % (GC);

2,6-Dibromoanthraquinone

ST05705

633-70-5

C₁₄H₆Br₂O₂



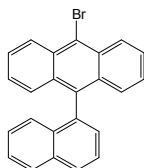
min. 98 % (GC);

9-Bromo-10-naphthalen-1-ylanthracene

ST05711

400607-04-7

C₂₄H₁₅Br



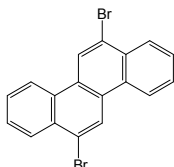
min. 99 % (HPLC);

6,12-Dibromochrysene

ST03469

131222-99-6

C₁₈H₁₀Br₂



min. 98 % (GC);
m. p.: 282-284°C;

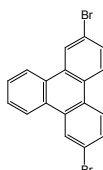
precursor for electronic chemicals;

2,7-Dibromotriphenylene

ST06100

888041-37-0

C₁₈H₁₀Br₂



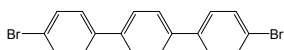
min. 95.5 % (GC);

4,4'-Dibromo-p-terphenyl

ST01261

17788-94-2

C₁₈H₁₂Br₂



min. 98 % (HPLC);

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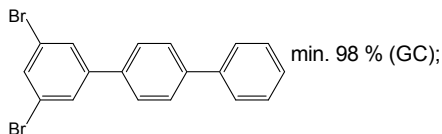
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INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: MISCELLANEOUS

3,5-Dibromo-p-terphenyl

ST05985

C₁₈H₁₂Br₂

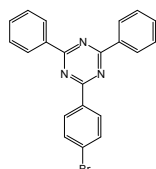


2-(4-Bromophenyl)-4,6-diphenyl[1,3,5]triazine

ST05927

23449-08-3

C₂₁H₁₄BrN₃



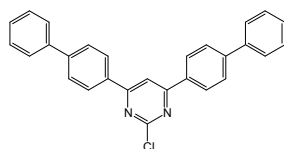
min. 99 % (HPLC);

4,6-Bis(biphenyl-4-yl)-2-chloropyrimidine

ST05924

1421599-29-2

C₂₈H₁₉ClN₂



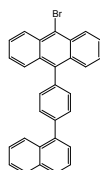
min. 99 % (HPLC);

9-Bromo-10-(4-naphthalen-1-ylphenyl)anthracene

ST05528

1092390-01-6

C₃₀H₁₉Br



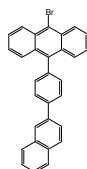
min. 99 % (HPLC);

9-Bromo-10-(4-naphthalen-2-ylphenyl)anthracene

ST05716

866611-29-2

C₃₀H₁₉Br

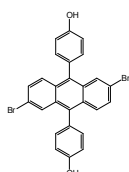


min. 98 % (HPLC);

2,6-Dibromo-9,10-di(4-hydroxyphenyl)anthracene

ST05838

C₂₆H₁₆Br₂O₂



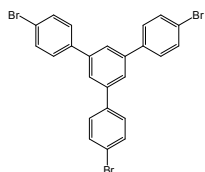
min. 99 % (GC);

1,3,5-Tris(4-bromophenyl)benzene

ST01636

7511-49-1

C₂₄H₁₅Br₃



min. 98 % (HPLC);
m. p.: 260-265°C;

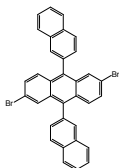
INTERMEDIATES FOR CHARGE TRANSPORT MATERIALS: MISCELLANEOUS

2,6-Dibromo-9,10-dinaphthalen-2-ylanthracene

ST05836

561064-15-1

C₃₄H₂₀Br₂



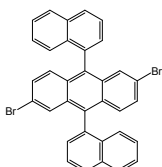
min. 99 % (HPLC);

2,6-Dibromo-9,10-dinaphthalen-1-ylanthracene

ST06094

914306-89-1

C₃₄H₂₀Br₂



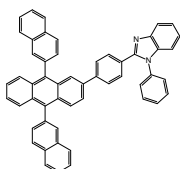
min. 97 % (GC);

2-{4-[9,10-Di-(naphthalen-2-yl)anthracen-2-yl]-phenyl}-1-phenyl-1H-benzimidazole

ST05837

561064-11-7

C₅₃H₃₄N₂



min. 99 % (HPLC);

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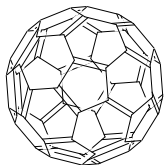
ORGANIC PHOTOVOLTAICS: SOLAR CELLS

Fullerene C60

ST03819

99685-96-8

C60



Buckminsterfullerene, Footballene
min. 99 % (HPLC);

Fullerene C70

ST06355

115383-22-7

C70

NEW



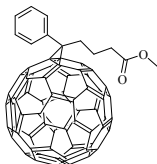
(C70-D5h)[5,6]fullerene, rugbyballene
99,0 % (HPLC)

(6,6)-Phenyl-C61 butyric acid methyl ester

ST03839

161196-25-4

C72H14O2



PCBM
1H-NMR: conforms;

electron acceptor;

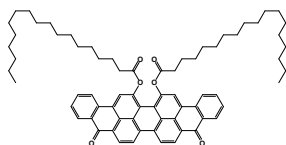
ORGANIC PHOTOVOLTAICS: DYE CELLS

5,10-dioxo-5,10-dihydroanthra[9,1,2-cde]benzo[*rst*]pentaphene-16,17-diyl distearate

ST04574

82145-74-2

C70H84O6



Pentaphene-78, Violantrone-78

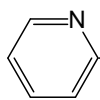
abs. max.: 577 nm (toluene); m. p.: 287.2°C (dec.), (Lit.);

5-Methyl-2,2'-bipyridyl

ST02980

56100-20-0

C11H10N2



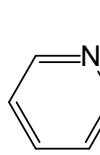
min. 97 % (GC);

4-Methyl-2,2'-bipyridine

ST02981

56100-19-7

C11H10N2



min. 97 % (GC);

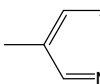
m. p.: 65-67°C;

5,5'-Dimethyl-2,2'-bipyridyl

ST01552

1762-34-1

C12H12N2



min. 97 % (GC);

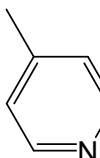
m. p.: 113-115°C;

4,4'-Dimethyl-2,2'-bipyridine

ST01738

1134-35-6

C12H12N2



min. 98 % (GC);

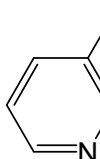
m. p.: 169-173°C;

3,3'-Dimethyl-2,2'-bipyridine

ST03889

1762-32-9

C12H12N2



min. 98 % (GC);

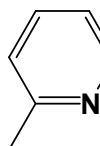
m. p.: 69-70°C;

6,6'-Dimethyl-2,2'-bipyridine

ST04472

4411-80-7

C12H12N2



min. 98 % (GC);

m. p.: 86-96°C;

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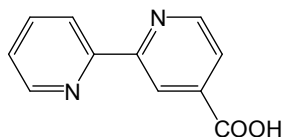
ORGANIC PHOTOVOLTAICS: DYE CELLS

2,2'-Bipyridyl-4-carboxylic acid

ST03929

1748-89-6

C₁₁H₈N₂O₂



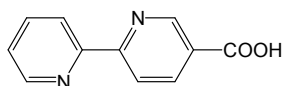
min. 97 % (HPLC);

2,2'-Bipyridyl-5-carboxylic acid

ST03930

1970-80-5

C₁₁H₈N₂O₂



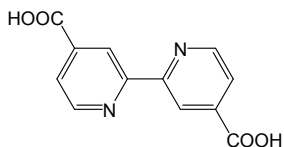
min. 97 % (HPLC);

2,2'-Bipyridyl-4,4'-dicarboxylic acid

ST00700

6813-38-3

C₁₂H₈N₂O₄



min. 98 % (HPLC); 97-103 % (titr.);

m. p.: 395°C;

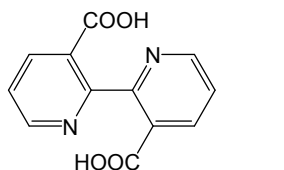
COOH intermediate for ruthenium dyes (Graetzel cell);

2,2'-Bipyridyl-3,3'-dicarboxylic acid

ST03926

4433-01-6

C₁₂H₈N₂O₄



min. 97 % (HPLC); 97-103 % (titr.);

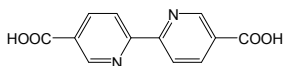
m. p.: 266-268°C (dec.);

2,2'-Bipyridyl-5,5'-dicarboxylic acid

ST03927

1802-30-8

C₁₂H₈N₂O₄



min. 97 % (HPLC);

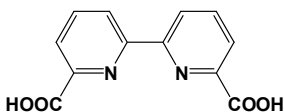
m. p.: >360°C;

2,2'-Bipyridyl-6,6'-dicarboxylic acid

ST04473

4479-74-7

C₁₂H₈N₂O₄



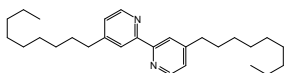
min. 97 % (HPLC); 97-103 (titr.);

4,4'-Dinonyl-2,2'-bipyridine

ST04353

142646-58-0

C₂₈H₄₄N₂



4,4'-Dinonyl-2,2'-bipyridyl, 4,4'-Dinonyl-[2,2']bipyridinyl;

min. 98 % (GC);

m. p.: 64-65°C;

complexing agent, synthesis of Ru complexes for photovoltaic cells (Graetzel complex);

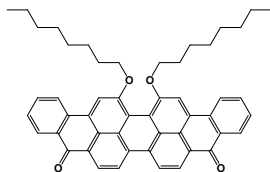
ORGANIC PHOTOVOLTAICS: DYE CELLS

16,17-Bis(octyloxy)anthra[9,1,2-cde]benzo[rst]pentaphene-5,10-dione

ST04573

85652-50-2

C₅₀H₄₈O₄



Violantrone-79

abs. max.: 633 nm (toluene); m. p.: 193-196°C (Lit.);

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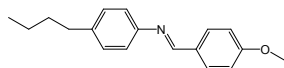
LIQUID CRYSTALS: AZOMETHINES

N-(Methoxybenzylidene)-4-butylaniline

ST00484

26227-73-6

C₁₈H₂₁NO



MBBA

min. 98.5 % (GC);

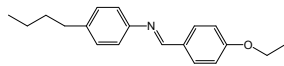
mesophase behaviour: Cr 22; N 48 I;

N-(4-Ethoxybenzylidene)-4-butylaniline

ST00483

29743-08-6

C₁₉H₂₃NO



min. 99.5 % (HPLC);

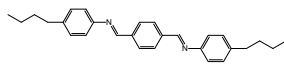
mesophase behaviour: Cr 36.5 N 79.8 I;

N,N'-Terephthalylidene-bis(4-butylaniline)

ST00482

29743-21-3

C₂₈H₃₂N₂



TBBA

min. 99 % (HPLC);

mesophase behaviour: Cr 113 S 74 SH 89.2 SG 144.5 SC 172 A
199 N 235 I;

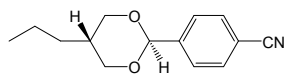
LIQUID CRYSTALS: DIOXANES

trans-2-(4-Cyanophenyl)-5-n-propyl-1,3-dioxane

ST00693

80285-16-1

C14H17NO2



PDX-3

min. 99.5 % (HPLC);

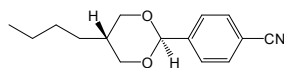
mesophase behaviour: Cr 58 N 43 I;

trans-2-(4-Cyanophenyl)-5-n-butyl-1,3-dioxane

ST00694

74800-54-7

C15H19NO2



PDX-4

min. 99.5 % (HPLC);

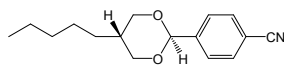
mesophase behaviour: Cr 42 N 36 I;

trans-2-(4-Cyanophenyl)-5-n-pentyl-1,3-dioxane

ST00695

74800-62-7

C16H21NO2



PDX-5

min. 99.5 % (HPLC);

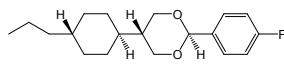
mesophase behaviour: Cr 56 N 49 I;

trans-2-(4-Fluorophenyl)-5-(trans-4-n-propylcyclohexyl)-1,3-dioxane

ST03206

133058-92-1

C19H27FO2



min. 99 % (HPLC);

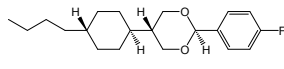
mesophase behaviour: Cr 82.4 N 146.2 I;

trans-2-(4-Fluorophenyl)-5-(trans-4-n-butylcyclohexyl)-1,3-dioxane

ST03207

132828-01-4

C20H29FO2



min. 99 % (HPLC);

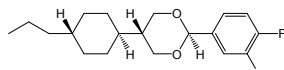
mesophase behaviour: Cr 70 S 77.7 N 145 I;

trans-2-(3,4-Difluorophenyl)-5-(trans-4-n-propylcyclohexyl)-1,3-dioxane

ST03209

133059-01-5

C19H26F2O2



min. 99 % (HPLC);

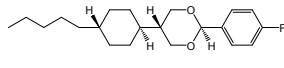
mesophase behaviour: Cr 88.5 N 105.1 I;

trans-2-(4-Fluorophenyl)-5-(trans-4-n-pentylcyclohexyl)-1,3-dioxane

ST03208

133058-95-4

C21H31FO2



min. 99 % (HPLC);

mesophase behaviour: Cr 65 S 47.6 N 155.7 I;

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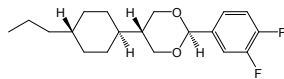
LIQUID CRYSTALS: DIOXANES

trans-2-(3,4-Difluorophenyl)-5-(trans-4-n-butylcyclohexyl)-1,3-dioxane

ST03210

132828-03-6

C20H28F2O2



min. 99 % (HPLC);

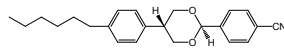
mesophase behaviour: Cr 89.8 N 109.7 I;

4-[5-(4-Hexylphenyl)-[1,3]dioxan-2-yl]benzonitrile

ST05944

74800-93-4

C23H27NO2



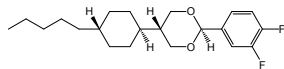
min. 99 % (HPLC);

trans-2-(3,4-Difluorophenyl)-5-(trans-4-n-pentylcyclohexyl)-1,3-dioxane

ST03211

133059-04-8

C21H30O2F2



min. 99 % (HPLC);

mesophase behaviour: Cr 77 N 113.8 I;

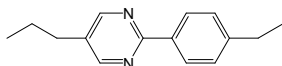
LIQUID CRYSTALS: PYRIMIDINES

2-(4-n-Ethylphenyl)-5-n-propylpyrimidine

ST00547

98495-11-5

C15H18N2



min. 99.5 % (HPLC);

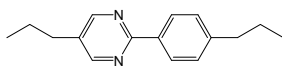
m. p.: 40-42°C;

2-(4-n-Propylphenyl)-5-n-propylpyrimidine

ST00548

98495-13-7

C16H20N2



min. 99.5 % (HPLC);

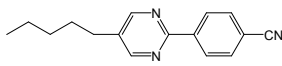
m. p.: 52-53.5°C;

2-(4-Cyanophenyl)-5-n-pentylpyrimidine

ST02757

119467-18-4

C16H17N3



4-(5-n-Pentyl-pyrimidin-2-yl)benzonitrile

min. 99 % (HPLC);

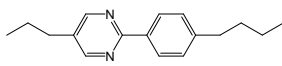
m. p.: 71-72°C;

2-(4-n-Butylphenyl)-5-n-propylpyrimidine

ST00549

123740-94-3

C17H22N2



min. 99.5 % (HPLC);

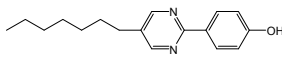
m. p.: 27.5-29.5°C;

2-(4'-Hydroxyphenyl)-5-n-heptylpyrimidine

ST01569

58415-62-6

C17H22N2O



min. 99 % (HPLC);

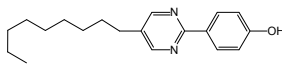
m. p.: 88-90°C;

2-(4'-Hydroxyphenyl)-5-n-nonylpyrimidine

ST05954

102408-53-7

C19H26N2O



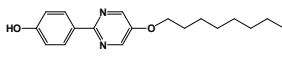
min. 99 % (GC);

2-(4'-Hydroxyphenyl)-5-n-octyloxy pyrimidine

ST06299

104539-91-5

C18H24N2O2



4-(5-(Octyloxy)pyrimidin-2-yl)phenol

98% (HPLC)

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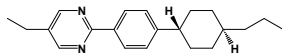
LIQUID CRYSTALS: PYRIMIDINES

5-Ethyl-2-[trans-(4-n-propylcyclohexyl)phenyl]pyrimidine

ST03737

98495-16-0

C21H28N2



min. 99.5 % (GC);

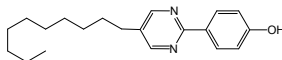
mesophase behaviour: Cr 102-103 N 181-182 I;

2-(4'-Hydroxyphenyl)-5-n-decylpyrimidine

ST05955

102408-54-8

C20H28N2O



min. 99 % (GC);

5-Butyl-2-(4-heptyloxyphenyl)pyrimidine

ST02755

57202-14-9

C21H30N2O



min. 99 % (HPLC);

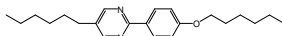
m. p.: 27-30°C;

5-n-Hexyl-2-(4-n-hexyloxyphenyl)pyrimidine

ST03333

227605-57-4

C22H32N2O



min. 98 % (HPLC);

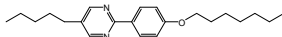
m.p.: 31-32 °C;

2-(4-n-Heptyloxyphenyl)-5-n-pentylpyrimidine

ST02756

57202-22-9

C22H32N2O



min. 99 % (HPLC);

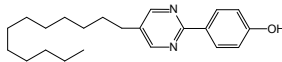
m. p.: 39-41°C;

2-(4'-Hydroxyphenyl)-5-n-dodecylpyrimidine

ST05956

102408-55-9

C22H32N2O



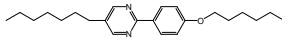
min. 99 % (HPLC);

5-n-Heptyl-2-(4-n-hexyloxyphenyl)pyrimidine

ST00550

57202-37-6

C23H34N2O



min. 99.5 % (HPLC);

mesophase behaviour: Cr 45.5 SA 33 N 69.5 I;

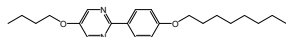
LIQUID CRYSTALS: PYRIMIDINES

2-(4-n-Octyloxyphenyl)-5-n-butyloxy pyrimidine

ST01060

287179-18-4

C22H32N2O2



min. 99.5 % (HPLC);

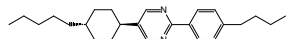
mesophase behaviour: Cr 57 SC (85) SA 96 N 98 I;

trans-2-(4-Butylphenyl)-5-(4-pentylcyclohexyl)pyrimidine

ST06081

82885-43-6

C25H36N2



min. 99 % (HPLC);

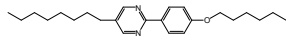
mesophase behaviour: Cr 37 S 187 I;

2-(4-n-Hexyloxyphenyl)-5-n-octylpyrimidine

ST00552

57202-48-9

C24H36N2O



min. 99.5 % (HPLC);

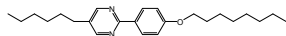
mesophase behaviour: Cr 27.5 SC 44.5S SA 57.5 N 65 I;

5-n-Hexyl-2-(4-n-octyloxyphenyl)pyrimidine

ST03334

57202-30-9

C24H36N2O

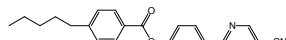


min. 98 % (HPLC);

mesophase behaviour: Cr 51 SB 63 SA 87 I;

4-Pentylbenzoic acid 4-(5-cyanopyrimidin-2-yl)phenyl ester

ST05945



min. 98 % (HPLC);

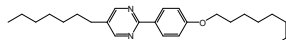
C23H21N3O2

5-n-Heptyl-2-(4-n-octyloxyphenyl)pyrimidine

ST00551

57202-39-8

C25H38N2O



min. 99.5 % (HPLC);

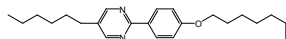
mesophase behaviour: Cr 49 SA 44 N 69.5 I;

5-n-Hexyl-2-(4-n-nonyloxyphenyl)pyrimidine

ST03335

51462-26-1

C25H38N2O



min. 98 % (HPLC);

mesophase behaviour: Cr 57 SB 63.5 SA 85 I;

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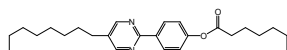
LIQUID CRYSTALS: PYRIMIDINES

n-Heptanoic acid 4-(5-n-octylpyrimidin-2-yl)phenyl ester

ST00558

58415-91-1

C25H36N2O2



LC E-68

min. 99.5 % (HPLC);

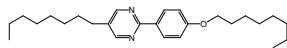
mesophase behaviour: Cr 43 SC 48 SA 51.5 I;

5-n-Octyl-2-(4-n-octyloxyphenyl)pyrimidine

ST00553

57202-50-3

C26H40N2O



min. 99.5 % (HPLC);

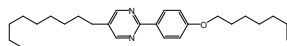
mesophase behaviour: Cr 28.5 SC 55.5 SA 62 N 68 I;

2-(4-n-Heptyloxyphenyl)-5-n-nonylpyrimidine

ST00556

57202-57-0

C26H40N2O



min. 99.5 % (HPLC);

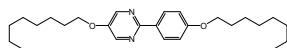
mesophase behaviour: Cr 45.5 SC 51 SA 74.5 I;

5-Octyloxy-2-(4-octyloxyphenyl)pyrimidine

ST01059

114767-84-9

C26H40N2O2



min. 99.5 % (HPLC);

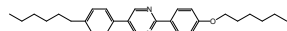
mesophase behaviour: Cr 51 SC (91) SA 100 N 101 I;

2-(4-Hexyloxyphenyl)-5-(4-hexylphenyl)pyrimidine

ST06082

135071-49-7

C28H36N2O



min. 99 % (HPLC);

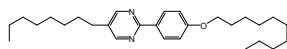
mesophase behaviour: Cr 75 SC 151 SA 193 I;

2-(4-n-Decyloxyphenyl)-5-n-octylpyrimidine

ST00554

57202-52-5

C28H44N2O



PYP 8010

min. 99.5 % (HPLC);

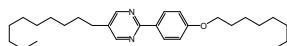
mesophase behaviour: Cr 32 SC 59.5 SA 65.5 N 69.5 I;

5-n-Decyl-2-(4-n-octyloxyphenyl)pyrimidine

ST00557

57202-62-7

C28H44N2O



min. 99.5 % (HPLC);

mesophase behaviour: Cr 37 SC 68.5 SA 73.5 I;

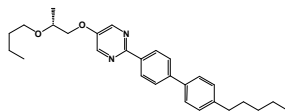
LIQUID CRYSTALS: PYRIMIDINES

(R)-5-(2-butoxypropoxy)-2-(4'-pentylbiphenyl-4-yl)pyrimidine

ST06114

119217-83-3

C28H36N2O2



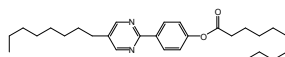
min. 98 % (HPLC);

n-Decanoic acid 4-(5-n-octylpyrimidin-2-yl)phenyl ester

ST00559

58415-94-4

C28H42N2O2



LC E-98

min. 99.5 % (HPLC);

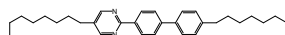
mesophase behaviour: Cr 42 SC 55.5 N 59.8 I;

2-(4'-Heptylbiphenyl-4-yl)-5-octylpyrimidine

ST06083

117433-12-2

C31H42N2



min. 99 % (HPLC);

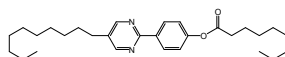
mesophase behaviour: Cr 58 SC 134 SA 144 N 157 I;

n-Nonanoic acid 4-(5-n-decylpyrimidin-2-yl)phenyl ester

ST00560

129470-93-5

C29H44N2O2



min. 99.5 % (HPLC);

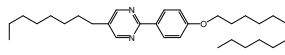
mesophase behaviour: Cr 44 SA 69 N I;

2-(4-n-Dodecyloxyphenyl)-5-n-octylpyrimidine

ST00555

57202-54-7

C30H48N2O



min. 99.5 % (HPLC);

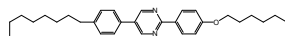
mesophase behaviour: Cr 42 SC 61.5 SA 68.5 N 70 I;

2-(4-Octyloxyphenyl)-5-(4-octylphenyl)pyrimidine

ST06087

117392-53-7

C32H44N2O



min. 99 % (HPLC);

mesophase behaviour: Cr 68 SC 152 N 174 I;

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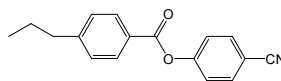
LIQUID CRYSTALS: 4,4'-BISUBSTITUTED PHENYLBENZOATES

4-Cyanophenyl 4-n-propylbenzoate

ST00485

56131-49-8

C17H15NO2



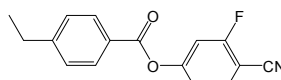
min. 99.5 % (HPLC);
mesophase behaviour: Cr 102 N 53 I;

4-Cyano-3-fluorophenyl-4-ethylbenzoate

ST02629

86776-50-3

C16H12FNO2



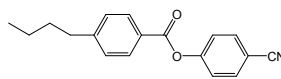
min. 99.5 % (HPLC);
mesophase behaviour: Cr 78 N 8 I;

4-Cyanophenyl 4-n-butylbenzoate

ST00486

38690-77-6

C18H17NO2



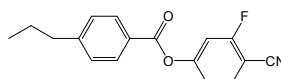
min. 99.5 % (HPLC);
mesophase behaviour: Cr 67.1 N 42.6 I;

4-Cyano-3-fluorophenyl 4-propylbenzoate

ST02630

86776-51-4

C17H14FNO2



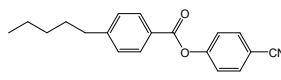
min. 99.5 % (HPLC);
mesophase behaviour: Cr 70 N 20 I;

4-Cyanophenyl 4-n-pentylbenzoate

ST00487

49763-64-6

C19H19NO2



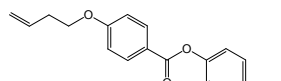
min. 99.5 % (HPLC);
mesophase behaviour: Cr 64.4 N 55.4 I;

(4-But-3-enyloxy)benzoic acid 4-methoxyphenyl ester

ST05893

76487-56-4

C18H18O4



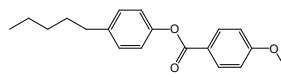
min. 98 % (GC);

4-Methoxybenzoic acid 4-pentylphenyl ester

ST04668

38444-13-2

C19H22O3



min. 96.5 % (HPLC);

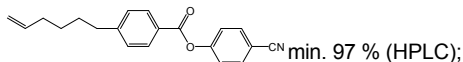
LIQUID CRYSTALS: 4,4'-BISUBSTITUTED PHENYLBENZOATES

4-Hex-5-enyl-benzoic acid 4-cyano-phenyl ester

ST05885

189027-29-0

C20H19NO2

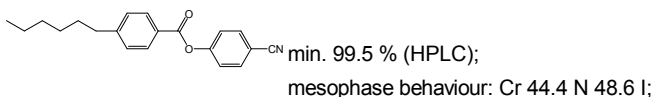


4-Cyanophenyl 4-n-hexylbenzoate

ST00488

50793-85-6

C20H21NO2

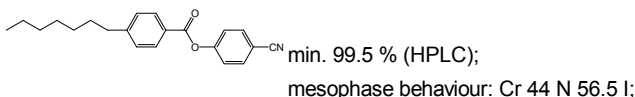


4-Cyanophenyl 4-heptylbenzoate

ST00489

38690-76-5

C21H23NO2

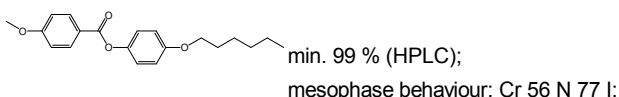


4-Hexyloxyphenyl 4-methoxybenzoate

ST00478

38454-29-4

C20H24O4

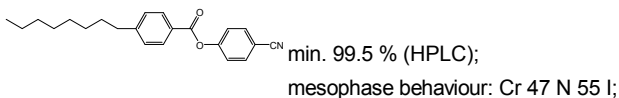


4-Cyanophenyl 4-n-octylbenzoate

ST00490

50793-86-7

C22H25NO2

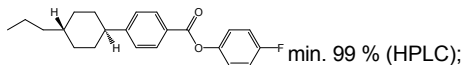


4-(4-trans-Propylcyclohexyl)benzoic acid 4-fluorophenyl ester

ST05946

120893-64-3

C22H25FO2

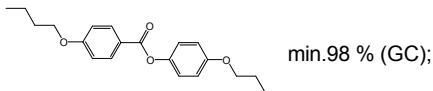


4-Butoxyphenyl 4-butoxybenzoate

ST06229

38454-23-8

C21H26O4



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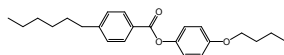
LIQUID CRYSTALS: 4,4'-BISUBSTITUTED PHENYLBENZOATES

4-n-Butyloxyphenyl 4-n-hexylbenzoate

ST00481

38454-21-6

C23H30O3



min. 99 % (HPLC);

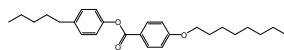
mesophase behaviour: Cr2 24 Cr1 40 N 49.5 I;

4-Octyloxybenzoic acid 4-pentylphenyl ester

ST04669

50649-56-4

C26H36O3



min. 99 % (GC);

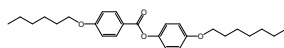
mesophase behaviour: Cr 57 N 66 I;

4-n-Heptyloxyphenyl 4-n-hexyloxybenzoate

ST00479

38454-39-6

C26H36O4



min. 99 % (HPLC);

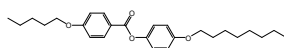
mesophase behaviour: Cr 55 N 88 I;

4-n-Octyloxyphenyl 4-n-pentyloxybenzoate

ST00480

50649-44-0

C26H36O4



min. 99 % (HPLC);

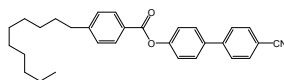
mesophase behaviour: Cr 52 N 85 I;

4-Decylbenzoic acid 4'-cyanobiphenyl-4-yl ester

ST05005

59446-85-5

C30H33NO2



min. 99 % (GC);

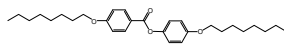
mesophase behaviour: Cr 91 N 205 I;

4-(Octyloxy)phenyl 4-(octyloxy)benzoate

ST06291

50649-44-0

C29H42O4



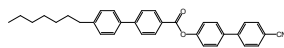
99,5 % (GC)

4'-Heptylbiphenyl-4-carboxylic acid 4'-cyanobiphenyl-4-yl ester

ST05066

72928-30-4

C33H31NO2



BB7

min. 99 % (HPLC);

mesophase behaviour: Cr1 106 Cr2 126 N 358 I;

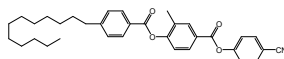
LIQUID CRYSTALS: 4,4'-BISUBSTITUTED PHENYLBENZOATES

4-Cyanophenyl 4-(4-dodecylbenzoyloxy)-3-methylbenzoate

ST06086

71299-59-7

C₃₄H₃₉NO₄



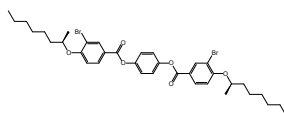
12CPMBB

min. 98 % (HPLC);

(S)-1,4-phenylene bis(3-bromo-4-((S)-octan-2-yloxy)benzoate)

ST06044

C₃₆H₄₄Br₂O₆

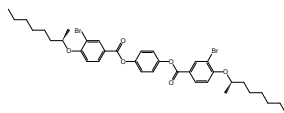


min. 97 % (HPLC); 1H-NMR: conforms;

(R)-1,4-phenylene bis(3-bromo-4-((R)-octan-2-yloxy)benzoate)

ST06045

C₃₆H₄₄Br₂O₆



min. 97 % (HPLC); 1H-NMR: conforms;

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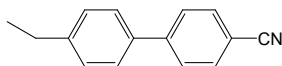
LIQUID CRYSTALS: 4'-ALKYL-4-CYANOBIPHENYLS

4-Cyano-4'-ethyl-biphenyl

ST00680

58743-75-2

C15H13N



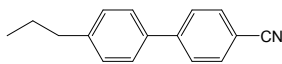
4'-Ethylbiphenyl-4-carbonitrile, 2CB
min. 99.5 % (GC);
mesophase behaviour: Cr 75 N (22) I;

4-Cyano-4'-n-propyl-biphenyl

ST00681

58743-76-3

C16H15N



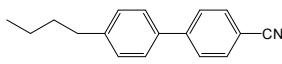
4'-n-Propylbiphenyl-4-carbonitrile, 3CB
min. 99.5 % (GC);
mesophase behaviour: Cr 67.3 N 30.3 I;

4-Butyl-4'-cyanobiphenyl

ST00682

52709-83-8

C17H17N



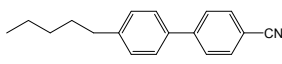
4'-n-Butylbiphenyl-4-carbonitrile, 4CB
min. 99.5 % (GC);
mesophase behaviour: Cr 48 N 16.5 I;

4-Cyano-4'-n-pentylbiphenyl

ST00683

40817-08-1

C18H19N



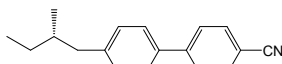
4'-n-Pentylbiphenyl-4-carbonitrile, 5CB
min. 99.5 % (GC);
mesophase behaviour: Cr 24 N 35.5 I;

(S)-4-Cyano-4'-(2-methylbutyl)biphenyl

ST02804

63799-11-1

C18H19N



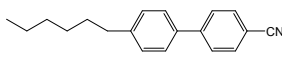
CB15
min. 99.5 % (GC);
mesophase behaviour: Cr -54 N* -30 I;
chiral liquid crystal;

4-Cyano-4'-n-hexylbiphenyl

ST02678

41122-70-7

C19H21N



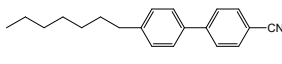
4'-n-Hexyl-1,1'-biphenyl-4-carbonitrile, 6CB
min. 99.5 % (GC);
mesophase behaviour: Cr 12 N 29 I;

4-Cyano-4'-n-heptylbiphenyl

ST00684

41122-71-8

C20H23N



4'-n-Heptylbiphenyl-4-carbonitrile, 7CB
min. 99.5 % (GC);
mesophase behaviour: Cr2 15 Cr1 30 N 42.8 I;

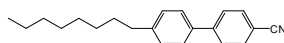
LIQUID CRYSTALS: 4'-ALKYL-4-CYANOBIIPHENYLS

4-Octyl-4'-cyanobiphenyl

ST01422

52709-84-9

C21H25N



4'-Octyl-biphenyl-4-carbonitrile, 8CB

min. 99.5 % (GC);

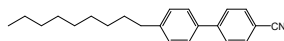
mesophase behaviour: Cr 21.5 SA 33 N 40.5 I;

4-Cyano-4'-n-nonylbiphenyl

ST02890

52709-85-0

C22H27N



4-n-Nonyl-biphenyl-4'-carbonitrile, 9CB

min. 99 % (GC);

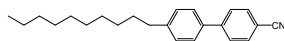
mesophase behaviour: Cr 42 SA 47.5 N 49.5 I;

4-Cyano-4'-n-decylbiphenyl

ST02891

59454-35-2

C23H29N



4-n-Decyl-biphenyl-4'-carbonitrile, 10CB

min. 99.5 % (GC);

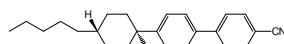
mesophase behaviour: Cr 44 SA 51.5 I;

trans-4-(4-n-Pentyl)cyclohexyl-4'-cyanobiphenyl

ST03992

68065-81-6

C24H29N



5-CCB

min. 99.5 % (GC);

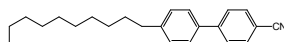
mesophase behaviour: Cr 96 N 222 I;

4-Undecyl-4'-cyanobiphenyl

ST04048

65860-74-4

C24H31N



4'-Undecyl-biphenyl-4-carbonitrile, 11CB

min. 99 % (GC);

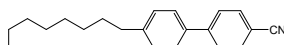
mesophase behaviour: Cr 53 S 57 N 57.5 I;

4-Cyano-4'-dodecylbiphenyl

ST03202

57125-49-2

C25H33N



4-Dodecylbiphenyl-4-carbonitrile, 12CB

min. 99 % (HPLC);

mesophase behaviour: Cr 46 S 58 I;

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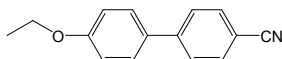
LIQUID CRYSTALS: 4'-ALKOXY-4-CYANOBIPHENYLS

4-Cyano-4'-ethoxybiphenyl

ST01562

58743-78-5

C15H13NO



4'-Ethoxy-biphenyl-4-carbonitrile, 2OCB

min. 99.5 % (GC);

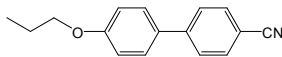
m. p.: 100-102°C;

4-Cyano-4'-propyloxybiphenyl

ST01529

52709-86-1

C16H15NO



4'-Propoxy-biphenyl-4-carbonitrile, 3OCB

min. 99.5 % (GC);

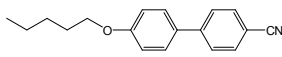
mesophase behaviour: Cr 76 N (69) I;

4-Cyano-4'-pentyloxybiphenyl

ST00685

52364-71-3

C18H19NO



4'-n-Pentyloxybiphenyl-4-carbonitrile, 5OCB

min. 99.5 % (GC);

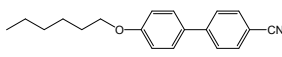
mesophase behaviour: Cr1 48 Cr2 53 N 68 I;

4-Cyano-4'-hexyloxybiphenyl

ST02576

41424-11-7

C19H21NO



4-(4'-n-Hexyloxyphenyl)benzonitrile, 6OCB

min. 99.5 % (GC);

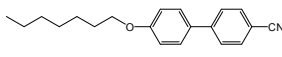
mesophase behaviour: C 57 N 76 I;

4-Cyano-4'-n-heptyloxybiphenyl

ST00686

52364-72-4

C20H23NO



4'-n-Heptyloxybiphenyl-4-carbonitrile, 7OCB

min. 99.5 % (GC);

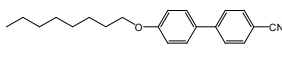
mesophase behaviour: Cr2 47.5 Cr1 53.5 N 75 I;

4-(4'-n-Octyloxyphenyl)benzonitrile

ST01191

52364-73-5

C21H25NO



4-Cyano-4'-n-octyloxybiphenyl, 8OCB

min. 99.5 % (GC);

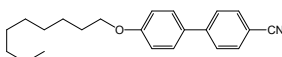
mesophase behaviour: Cr 54.5 S 67 N 80 I;

4-Cyano-4'-nonyloxybiphenyl

ST03203

58932-13-1

C22H27NO



9 OCB, 4-Nonyloxybiphenyl-4'-carbonitrile

min. 99.5 % (GC);

mesophase behaviour: Cr 43.5 N 58 I;

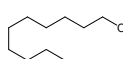
LIQUID CRYSTALS: 4'-ALKOXY-4-CYANOBIPHENYLS

4-Cyano-4'-decyloxybiphenyl

ST03204

70247-25-5

C23H29NO



10 OCB, 4-Decyloxybiphenyl-4'-carbonitrile

min. 99.5 % (GC);

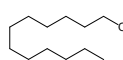
mesophase behaviour: Cr 58 S 83 I;

4-Cyano-4'-dodecyloxybiphenyl

ST04312

57125-50-5

C25H33NO



12OCB, M36

min. 99.5 % (GC);

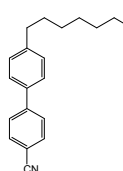
mesophase behaviour: Cr 69 S 89 I;

4',4''-(Heptane-1,7-diyl)dibiphenyl-4-carbonitrile

ST06137

149430-73-9

C33H30N2



CB7CB

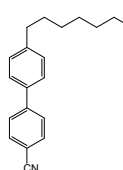
min. 98 % (HPLC);

4'-(6-(4'-Cyanobiphenyl-4-yl)hexyloxy)biphenyl-4-carbonitrile

ST06136

1531588-29-0

C32H28N2O



6B6OCB

min. 98 % (HPLC);

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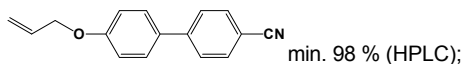
LIQUID CRYSTALS: 4'-(ALKENYLOXY)-4-CYANOBIPHENYLS

4'-Allyloxy-biphenyl-4-carbonitrile

ST04474

111928-38-2

C16H13NO

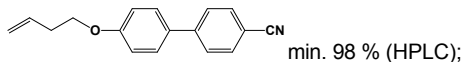


4'-But-3-enyloxy-biphenyl-4-carbonitrile

ST04475

120817-64-3

C17H15NO

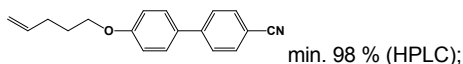


4'-Pent-4-enyloxy-biphenyl-4-carbonitrile

ST04476

111928-39-3

C18H17NO

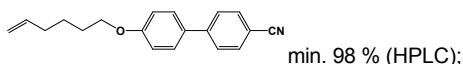


4'-Hex-5-enyloxy-biphenyl-4-carbonitrile

ST04477

125786-59-6

C19H19NO

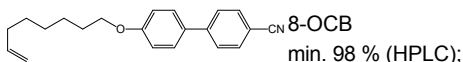


4'-(Oct-7-enyloxy)biphenyl-4-carbonitrile

ST04623

130916-21-1

C21H23NO

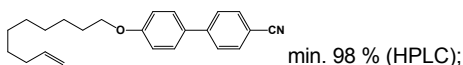


4'-Dec-9-enyloxy-biphenyl-4-carbonitrile

ST04478

129281-14-7

C23H27NO

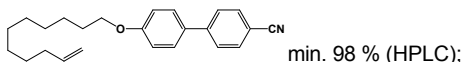


4'-Undec-10-enyloxy-biphenyl-4-carbonitrile

ST04479

105531-79-1

C24H29NO



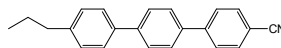
LIQUID CRYSTALS: 4'-ALKYL-4-CYANOTERPHENYLS

4-Cyano-4'-n-propyl-p-terphenyl

ST00688

54296-25-2

C22H19N



4''-n-Propyl-1,1':4',1''-terphenyl-4-carbonitrile, 3CT

min. 99 % (GC);

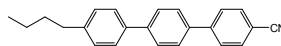
mesophase behaviour: Cr2 179 Cr1 182.2 N 257.5 I;

4-Cyano-4'-n-pentyl-p-terphenyl

ST00689

54211-46-0

C24H23N



4''-n-Pentyl-1,1':4',1''-terphenyl-4-carbonitrile, 5CT

min. 99.5 % (GC);

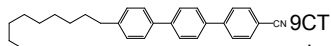
mesophase behaviour: Cr 130 N 240 I;

4-Nonyl-[1,1';4',1'']terphenyl-4''-carbonitrile

ST04891

107396-27-0

C28H31N



9CT

min. 99 % (GC);

mesophase behaviour: Cr 87 SE 110 SA 206 N 212 I;

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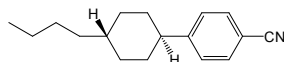
LIQUID CRYSTALS: TRANS-4,4'-ALKYLCYCLOHEXYL-BENZONITRILES

trans-4-(4'-n-Butylcyclohexyl)benzonitrile

ST00691

61204-00-0

C17H23N



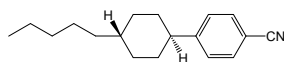
PCH 4
min. 99.5 % (GC);
mesophase behaviour: Cr 41 N 41 I;

trans-4-(4'-n-Pentylcyclohexyl)benzonitrile

ST00692

61204-01-1

C18H25N



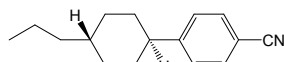
PCH 5
min. 99.5 % (GC);
mesophase behaviour: Cr 31 N 55 I;

4-(trans-4'-n-Propylcyclohexyl)benzonitrile

ST01862

61203-99-4

C16H21N



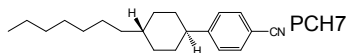
PCH3
min. 99.5 % (GC);
mesophase behaviour: Cr 43 N 46 I;

4-(trans-4'-n-Heptylcyclohexyl)benzonitrile

ST06252

82029-02-5

C20H29N



PCH7

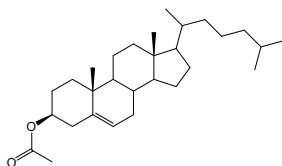
LIQUID CRYSTALS: CHOLESTERYL ESTERS

Cholesteryl acetate

ST00492

604-35-3

C₂₉H₄₈O₂



min. 96 % (HPLC);

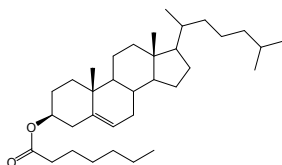
mesophase behaviour: Cr 116.5 CH 94.5 I;

Cholesteryl heptanate

ST00497

1182-07-6

C₃₄H₅₈O₂



min. 97 % (HPLC);

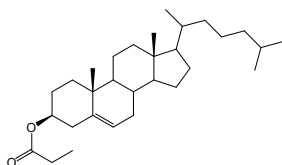
mesophase behaviour: Cr 114;

Cholesteryl caprylate

ST00498

1182-42-9

C₃₅H₆₀O₂



min. 96 % (HPLC);

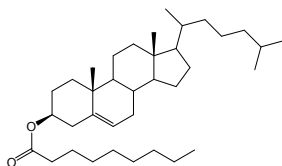
mesophase behaviour: Cr 110 (S 69.5 CH 96.5) I;

Cholesteryl pelargonate

ST00499

1182-66-7

C₃₆H₆₂O₂



min. 96 % (HPLC);

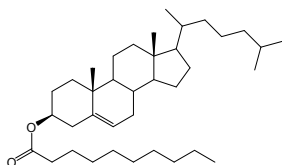
mesophase behaviour: Cr 80.5 (S 77.5) CH 92 I;

Cholesteryl decanoate

ST00500

1183-04-6

C₃₇H₆₄O₂



min. 95 % (HPLC);

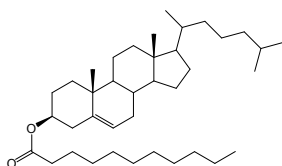
mesophase behaviour: Cr 85.5 (S 81.5) CH 92.5 I;

Cholesteryl undecanoate

ST00501

24385-24-8

C₃₈H₆₆O₂



min. 95 % (HPLC);

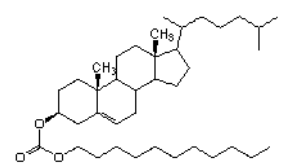
mesophase behaviour: Cr 92.5 (S 81.9 CH 90) I;

Cholesteryl undecyl carbonate

ST02927

15834-73-8

C₃₉H₆₈O₃



min. 90 % (HPLC);

mesophase behaviour: Cr 70.5 CH 74.4;

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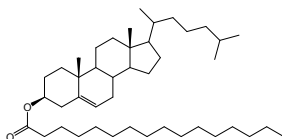
LIQUID CRYSTALS: CHOLESTERYL ESTERS

Cholesteryl palmitate

ST00506

601-34-3

C43H76O2



min. 97 % (HPLC);

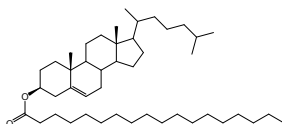
mesophase behaviour: Cr 76.3 CH 79.8 I;

Cholesteryl stearate

ST00508

35602-69-8

C45H80O2



min. 95 % (HPLC);

mesophase behaviour: Cr 83 (SA 75.5 CH 59.5) I;

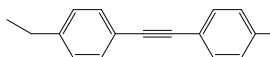
LIQUID CRYSTALS: TOLANES

1-(4-Ethylphenyl)-2-(4-methylphenyl)acetylene

ST01845

22692-80-4

C17H16



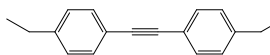
Tolane 2-1
min. 99.5 % (GC);
m. p.: 73.5°C;

1,2-Bis(4-ethylphenyl)acetylene

ST02286

79135-69-6

C18H18



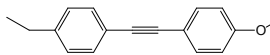
Tolane 2-2; 2T2; 4,4'-Diethyltolane
min. 99.7 % (GC);
m. p.: 74°C;

1-(4-Ethylphenyl)-2-(4-methoxyphenyl)acetylene

ST01847

63221-88-5

C17H16O



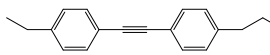
Tolane 2-O1
min. 99.5 % (GC);
mesophase behaviour: Cr 72.5 N 34.7 I;

1-(4-Ethylphenyl)-2-(4-n-propylphenyl)acetylene

ST02287

102225-55-8

C19H20



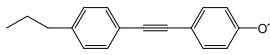
Tolane 2-3; 2T3; 4-Ethyl-4'-n-propyltolane
min. 99.7 % (GC);
m. p.: 51°C;

1-(4-Methoxyphenyl)-2-(4-n-propylphenyl)acetylene

ST01848

39969-26-1

C18H18O



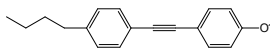
Tolane 3-O1
min. 99.5 % (GC);
mesophase behaviour: Cr 65 N (61.4) I;

1-(4-n-Butylphenyl)-2-(4-methoxyphenyl)acetylene

ST01849

35684-12-9

C19H20O



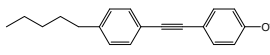
Tolane 4-O1
min. 99.5 % (GC);
mesophase behaviour: Cr 50.4 N (40.2) I;

1-(4-Methoxyphenyl)-2-(4-n-pentylphenyl)acetylene

ST01850

39969-28-3

C20H22O



Tolane 5-O1
min. 99.5 % (GC);
mesophase behaviour: Cr 47.0 N 58.0 I;

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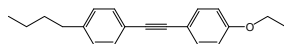
LIQUID CRYSTALS: TOLANES

1-(4-n-Butylphenyl)-2-(4-ethoxyphenyl)acetylene

ST01851

85583-83-1

C20H22O



Tolane 4-O2

min. 99.5 % (GC);

mesophase behaviour: Cr 54.0 N 80.0 I;

1,2-Bis(4-n-butylphenyl)acetylene

ST01846

80221-11-0

C22H26



Tolane 4-4

min. 99.5 % (GC);

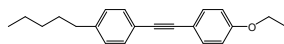
m. p.: 40-42°C;

1-(4-Ethoxyphenyl)-2-(4-n-pentylphenyl)acetylene

ST01898

95480-29-8

C21H24O



Tolane 5-O2

min. 99.5 % (GC);

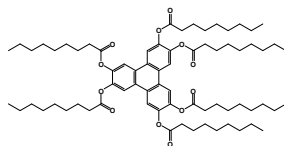
mesophase behaviour: Cr 62 N 89 I;

2,3,6,7,10,11-Hexakis[nonanoyloxy]triphenylen

ST04468

70351-95-0

C72H108O12



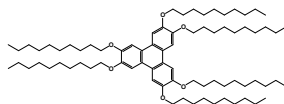
min. 97 % (HPLC);
mesophase behaviour: Cr 62 M 125;

2,3,6,7,10,11-Hexakis[decyloxy]triphenylene

ST04466

70351-89-2

C78H132O6

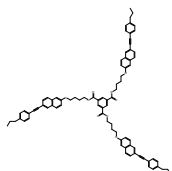


min. 97 % (HPLC);
mesophase behaviour: Cr 58 M 69 I;

Benzene-1,3,5-tricarboxylic acid tris-{4-[6-(4-propyl-phenylethynyl)naphthalene-2-yloxy]butyl} ester

ST02714

C84H78O9



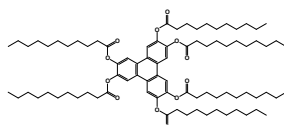
¹H-NMR conforms;
mesophase behaviour: Cr 137 N(D) 176 I;

2,3,6,7,10,11-Hexakis[undecanoyloxy]triphenylen

ST04469

70351-97-2

C84H132O12



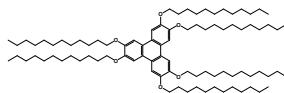
min. 97 % (HPLC);
mesophase behaviour: Cr 67 M1 108 M2 121.5;

2,3,6,7,10,11-Hexakis[dodecyloxy]triphenylene

ST04524

214958-05-1

C90H144O6



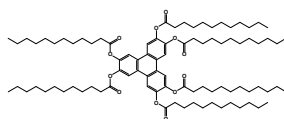
min. 96 % (HPLC);
mesophase behaviour: Cr 55 M1 58 M2 63 I;

2,3,6,7,10,11-Hexakis[dodecanoyloxy]triphenylen

ST04525

70187-34-7

C90H144O12



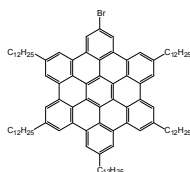
min. 96 % (HPLC);
mesophase behaviour: Cr 80 M1 93 M2 111 M3 122.3 I;

2-Bromo-5,8,11,14,17-pentakis-(dodecyl)-hexa-peri-hexabenzocoronene

ST06014

283602-40-4

C102H137Br



¹H-NMR conforms;

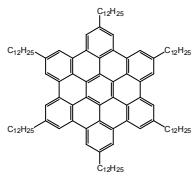
LIQUID CRYSTALS: DISCOTICS

2,5,8,11,14,17-Hexakis(dodecyl)-hexa-peri-hexabenzocoronene

ST06015

170698-88-1

C₁₁₄H₁₆₂



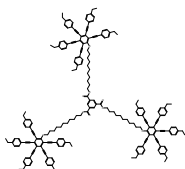
¹H-NMR: conforms;

Tris{11-[pentakis-(4'-ethylphenylethynyl)phenoxy]undecyl} trimesate

ST01771

847227-41-2

C₂₁₀H₂₀₄O₉



¹H-NMR conforms;

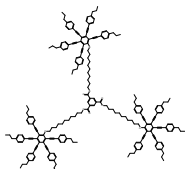
mesophase behaviour: Cr 122 N(D) 147 I;

Tris-{11-[pentakis-(4'-propylphenylethynyl)phenoxy]undecyl} trimesate

ST01606

671197-46-9

C₂₂₅H₂₃₄O₉



¹H-NMR conforms;

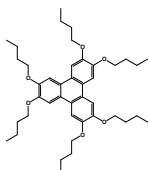
mesophase behaviour: Cr 60 N(D) 139 I;

2,3,6,7,10,11-Hexakis[butyloxy]triphenylene

ST04489

70351-85-8

C₄₂H₆₀O₆



min. 98 % (HPLC);

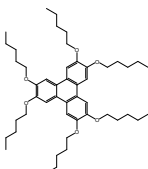
mesophase behaviour: Cr 88 M 144 I;

2,3,6,7,10,11-Hexakis[pentyloxy]triphenylene

ST01612

69079-52-3

C₄₈H₇₂O₆



min. 98 % (HPLC);

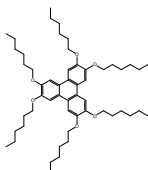
mesophase behaviour: Cr 69 Col(ho) 123 I;

2,3,6,7,10,11-Hexakis[hexyloxy]triphenylene

ST04310

70351-86-9

C₅₄H₈₄O₆



min. 98 % (HPLC);

mesophase behaviour: Cr 68 M 97 I;

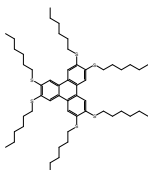
2,3,6,7,10,11-Hexakis(hexylthio)triphenylene

ST06383

90430-82-3

C₅₄H₈₄S₆

NEW



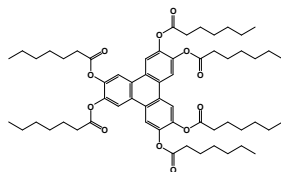
LIQUID CRYSTALS: DISCOTICS

2,3,6,7,10,11-Hexakis[heptanoyloxy]triphenylen

ST04467

70368-32-0

C₆₀H₈₄O₁₂



min. 97 % (HPLC);

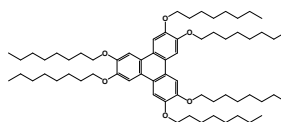
mesophase behaviour: Cr 106 M 108 I;

2,3,6,7,10,11-Hexakis(octyloxy)triphenylene

ST04465

70351-87-0

C₆₆H₁₀₈O₆



min. 98 % (HPLC);

mesophase behaviour: Cr 66.8 M 85.6 I;

INQUIRIES and ORDERS

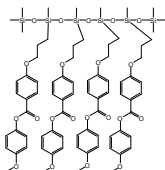
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LIQUID CRYSTALS: MISCELLANEOUS

(4-Methoxyphenyl 4-propoxybenzoatedimethyl)siloxane homopolymer

ST06376



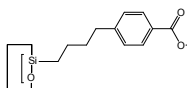
¹H-NMR: conform

C78H98O21Si6

NEW

(Pentamethyl)pentaoxapentasilcane, LC23

ST06133



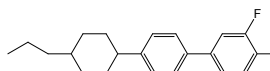
142303-13-7

¹H-NMR: conforms;

C95H110O20Si5

3,4-Difluoro-4'-(4-propyl-cyclohexyl)biphenyl

ST04227



3CPGF

85312-59-0

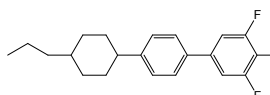
min. 99.5 % (GC);

mesophase behaviour: Cr 68 N 98 I;

C21H24F2

3,4,5-Trifluoro-4'-(4-propyl-cyclohexyl)biphenyl

ST04229



3CPUF

132123-39-8

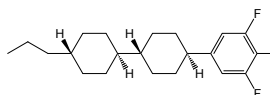
min. 99.5 % (GC);

m. p.: 35-36°C;

C21H23F3

all-trans-4-Propyl-4'-(3,4,5-trifluorophenyl)bi(cyclohexane)

ST04332



min. 99.5 % (GC);

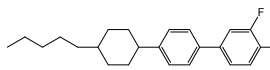
m. p.: 65-66°C;

131819-23-3

C21H29F3

3,4-Difluoro-4'-(4-pentyl-cyclohexyl)biphenyl

ST04228



5CPGF

134412-17-2

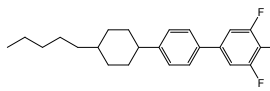
min. 99.5 % (GC);

mesophase behaviour: Cr 58 N 106 I;

C23H28F2

3,4,5-Trifluoro-4'-(4-pentyl-cyclohexyl)biphenyl

ST04230



5CPUF

137019-95-5

min. 99.5 % (GC);

mesophase behaviour: Cr 31 N 56.5 I;

C23H27F3

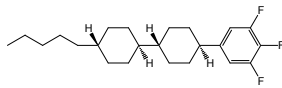
LIQUID CRYSTALS: MISCELLANEOUS

all-trans-4-Pentyl-4'-(3,4,5-trifluorophenyl)bi(cyclohexane)

ST04333

137644-54-3

C23H33F3



min. 99.5 % (GC);

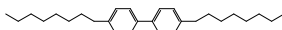
mesophase behaviour: Cr 87 M 101 I;

4,4'-Dioctylbiphenyl

ST06290

26916-71-2

C28H42



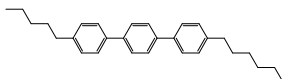
min. 99,5 % (GC)

4-Hexyl-4''-pentyl-p-terphenyl

ST06204

497263-86-2

C29H36

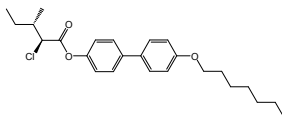


min. 98 % (GC);

(2S,3S)-4'-(Heptyloxy)biphenyl-4-yl 2-chloro-3-methylpentanoate

ST06228

C25H33ClO3



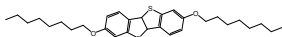
min. 98 % (GC);

2,7-Dioctyloxy[1]benzothieno[3,2b][1]benzothiophene

ST06409

C30H42O2S2

NEW



INQUIRIES and ORDERS

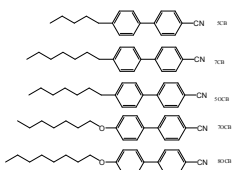
Phone: +49 (0)3494 63 69 00 - Fax: +49 (0)3494 63 69 69 - email: synthon@synthon-chemicals.com

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LIQUID CRYSTALS: MIXTURES

Liquid crystal mixture E5

ST06241

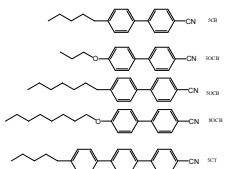


refraction index 1,5220 - 1,52400

C_xH_yO_zN_w

Liquid crystal mixture E8

ST06242



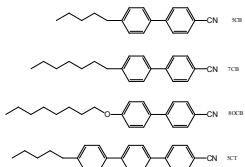
refraction index 1,5220 - 1,52400

C_xH_yO_zN_w

Liquid crystal mixture E7

ST04287

63748-28-7



water: max. 0.1 % (KF); refractive index: 1.5220-1.5240 (20°C);

mesophase behaviour: T_g -62 N 60 I; clearing point: min. 58°C (DSC on cooling);

nematic LC-mixture for electronic applications; nematic between minus 60 to plus 60°C;

C_xH_yO_zN_w

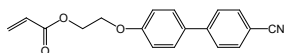
LIQUID CRYSTALS: REACTIVE MESOGENS - MONOFUNCTIONAL

Acrylic acid 2-(4'-cyano-biphenyl-4-yloxy)ethyl ester

ST04570

80122-94-7

C18H15NO3



min. 97 % (HPLC);

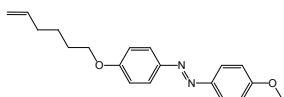
m. p.: 93-94°C;

E-(4-Hex-5-enyloxyphenyl)-(4-methoxyphenyl)diazene

ST05887

195058-84-5

C19H22N2O2



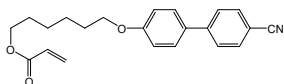
min. 97 % (GC);

6-(4-Cyano-biphenyl-4'-yloxy)hexyl acrylate

ST03474

89823-23-4

C22H23NO3



min. 97 % (HPLC);

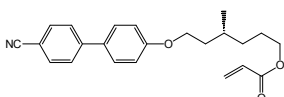
m.p.: 70-71°C;

(S)-6-(4'-cyanobiphenyl-4-yloxy)-4-methylhexyl acrylate

ST06126

247191-70-4

C23H25NO3



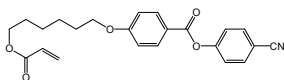
min. 97 % (HPLC);

4[4[6-Acryloyloxyhex-1-yl)oxyphenyl]carboxybenzonitrile

ST02670

83847-14-7

C23H23NO5



min. 97 % (HPLC);

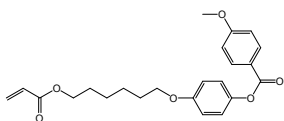
m. p.: 78-80°C;

4-Methoxybenzoic acid 4-(6-acryloyloxyhexyloxy)phenyl ester

ST03866

130953-14-9

C23H26O6



min. 97 % (HPLC);

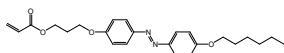
mesophase behaviour: Cr 55 N (44) I;

Acrylic acid 3-[4-(4-hexyloxyphenylazo)phenoxy]propyl ester

ST06065

210281-65-5

C24H30N2O4



min. 97 % (HPLC);

INQUIRIES and ORDERS

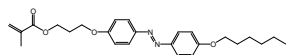
Phone: +49 (0)3494 63 69 00 - Fax: +49 (0)3494 63 69 69 - email: synthon@synthon-chemicals.com

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LIQUID CRYSTALS: REACTIVE MESOGENS - MONOFUNCTIONAL

2-Methylacrylic acid 3-[4-(4-hexyloxyphenylazo)phenoxy]propyl ester

ST06064



min. 97 % (HPLC);

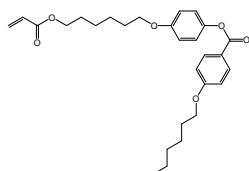
C25H32N2O4

4-(6-Acryloxy-hex-1-yl-oxy)phenyl 4-(hexyloxy)benzoate

ST03457

863394-23-4

C28H36O6



min. 98 % (HPLC);

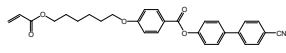
mesophase behaviour: Cr 54 N 67 I;

4[4[6-Acryloxyhex-1-yl)-oxyphenyl]carboxy-biphenyl-4'-carbonitrile

ST02669

130166-92-6

C29H27NO5

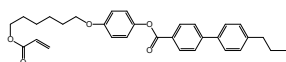


min. 97 % (HPLC);

mesophase behaviour: Cr 109-113 M1 172-174 M2 220 I;

4'-Propylbiphenyl-4-carboxylic acid 4-(acryloxyhexyloxy)phenyl ester

ST05867



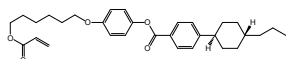
min. 98 % (HPLC);

mesophase behaviour: Cr 97.5 M 164.2 I;

C31H34O5

4-(6-(Acryloyloxy)hexyloxy)phenyl 4-(trans-4-propylcyclohexyl)benzoate

ST05874



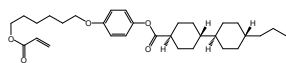
min. 98 % (HPLC);

m. p.: 66-67°C;

C31H40O5

trans,trans-4-(6-(Acryloyloxy)hexyloxy)phenyl 4'-propylbi(cyclohexane)-4-carboxylate

ST04717



min. 99 % (HPLC);

m. p.: 63-65°C;

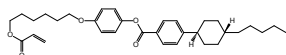
C31H46O5

4-(4-Pentylcyclohexyl)benzoic acid 4-(6-acryloyloxyhexyloxy)phenyl ester

ST04654

196881-65-9

C33H44O5



min. 97 % (HPLC);

mesophase behaviour: Cr 80 N 161 I;

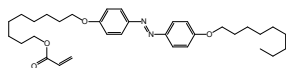
LIQUID CRYSTALS: REACTIVE MESOGENS - MONOFUNCTIONAL

9-(4-(4-Nonyloxyphenylazo)phenoxy)acrylate

ST04180

1062044-75-0

C33H48N2O4



min. 93 % (HPLC);

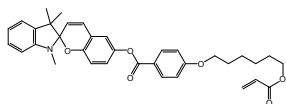
mesophase behaviour: Cr 64 S 97 I;

photomobile reactive mesogen, cis/trans-isomerization under irradiation with UV-light; precursor for polymers (artificial muscles);

1',3',3'-Trimethylspiro[chromene-2,2'-indoline]-6-yl 4-(6-(acryloyloxy)hexyloxy)benzoate

ST04718

C35H37NO6



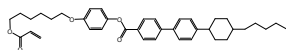
min. 95 % (HPLC);

photochromic reactive mesogen;

4-(6-(acryloyloxy)hexyloxy)phenyl 4'-(4-pentylcyclohexyl)biphenyl-4-carboxylate

ST06115

C39H48O5



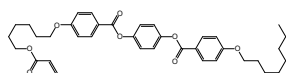
min. 95 % (HPLC);

4-(4-(6-(acryloyloxy)hexyloxy)benzoyloxy)phenyl 4-(octyloxy)benzoate

ST06013

193146-12-2

C37H44O8



min. 95 % (HPLC)

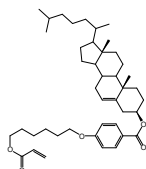
m. p.: 99°C;

Cholesteryl [4-(6-(acryloyloxy)hexyloxy)benzoate

ST03952

206053-52-3

C43H64O5



min. 95 % (HPLC);

mesophase behaviour: Cr 73 N* 99 I;

chiral reactive mesogen;

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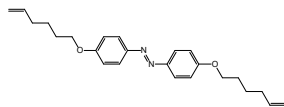
LIQUID CRYSTALS: REACTIVE MESOGENS - BIFUNCTIONAL

E-1,2-Bis(4-hex-5-enyloxyphenyl)diazene

ST05888

1007319-13-2

C₂₄H₃₀N₂O₂



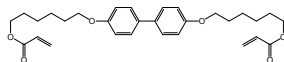
min. 97 % (GC); ¹H-NMR: conforms;

Acrylic acid 6-[4'-(6-acryloyloxy-hexyloxy)biphenyl-4-yloxy]hexyl ester

ST03776

125337-31-7

C₃₀H₃₈O₆



min. 96 % (HPLC);

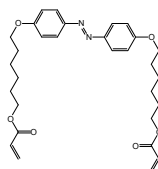
m. p.: 79-82°C;

4,4'-Bis(6-acryloyloxyhexyloxy)azobenzene

ST06080

1011714-83-2

C₃₀H₃₈N₂O₆



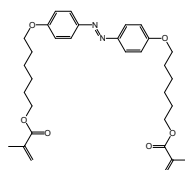
min. 95 % (HPLC);

4,4'-Bis(6-methacryloyloxyhexyloxy)azobenzene

ST06016

874111-00-9

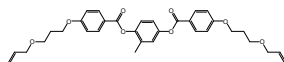
C₃₂H₄₂N₂O₆



min. 95 % (HPLC); ¹H-NMR conforms;

2-Methyl-1,4-phenylene bis(4-(3-(allyloxy)propoxy)benzoate)

ST06090

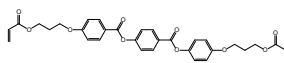


min. 97 % (HPLC);

C₃₃H₃₆O₈

4-{{4-[3-(Acryloyloxy)propoxy]phenoxy}carbonyl}phenyl 4-(3-(acryloyloxy)propoxy)benzoate

ST04315



min. 96 % (HPLC);

mesophase behaviour: Cr 81 SA 114 N 169 I;

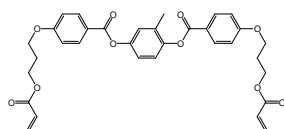
C₃₂H₃₀O₁₀

1,4-Bis-[4-(3-acryloyloxypropyloxy)benzoyloxy]-2-methylbenzene

ST03021

174063-87-7

C₃₃H₃₂O₁₀



min. 97 % (HPLC);

mesophase behaviour: Cr 64 N 126 I;

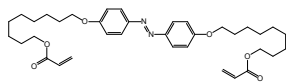
LIQUID CRYSTALS: REACTIVE MESOGENS - BIFUNCTIONAL

4,4'-Bis[9-(acryloyloxy)nonyloxy]azobenzene

ST04181

864711-37-5

C36H50N2O6



min. 95 % (HPLC);

mesophase behaviour: Cr 74 S 91 I;

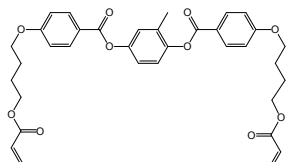
photomobile reactive mesogen, cis/trans-isomerization under irradiation with UV-light; precursor for polymers (artificial muscles);

1,4-Bis[4-(3-acryloyloxybutyloxy)benzoyloxy]-2-methylbenzene

ST04501

146184-09-0

C35H36O10



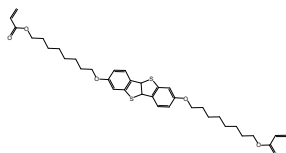
min. 96 % (HPLC);

2,7-Bis(8-acryloyloxy)octyloxy[1]benzothieno[3,2-b][1]benzothiophene

ST06410

C36H46O6S2

NEW



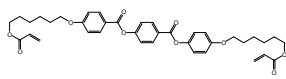
min. 95 % (HPLC)

4-{{4-[6-(Acryloyloxy)hexyloxy]phenoxy}carbonyl}phenyl 4-(6-(acryloyloxy)hexyloxy)benzoate

ST04321

161841-15-2

C38H42O10



min. 96 % (HPLC);

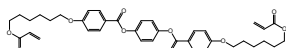
mesophase behaviour: Cr 76 SA 138 N 150 I;

1,4-Phenylene bis(4-(6-(acryloyloxy)hexyloxy)benzoate)

ST05953

161841-15-2

C38H42O10



min. 97 % (HPLC);

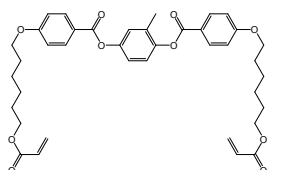
mesophase behaviour: Cr 107 N 157I;

1,4-Bis-[4-(6-acryloyloxyhexyloxy)benzoyloxy]-2-methylbenzene

ST00975

125248-71-7

C39H44O10



min. 97 % (HPLC); 1H-NMR: conforms;

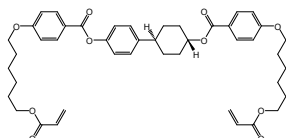
mesophase behaviour: Cr 86 N 116 I;

6-{4-[4-(Acryloyloxy)hexyloxy]cyclohexyl}phenoxyhexyl acrylate

ST01011

216879-99-1

C44H52O10



min. 97 % (HPLC);

mesophase behaviour: Cr 89.5 S(F) 107.8 S(G) 164 N 232 I;

INQUIRIES and ORDERS

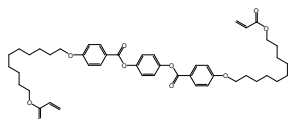
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LIQUID CRYSTALS: REACTIVE MESOGENS - BIFUNCTIONAL

1,4-phenylene bis(4-(10-(acryloyloxy)decyloxy)benzoate)

ST06251



min. 95 % (HPLC) 1H-NMR: conforms;

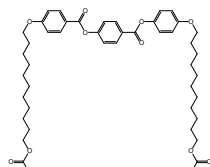
C46H58O10

4-((4-(11-(acryloyloxy)undecyloxy)phenoxy)carbonyl)phenyl 4-(11-(acryloyloxy)undecyloxy)benzoate

ST04666

132900-74-4

C48H62O10



min. 95 % (HPLC);

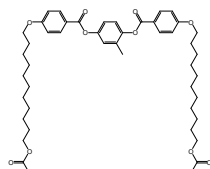
mesophase behaviour: Cr 66 M1 90 M2 130 I;

1,4-Bis[4-(11-acryloyloxyundecyloxy)benzoyloxy]-2-methylbenzene

ST04587

215304-94-2

C49H64O10



min. 95 % (HPLC);

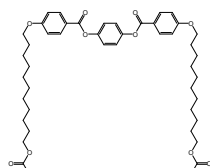
mesophase behaviour: Cr 72-75 Sy 86 Sx 93 I;

1,4-Bis[4-(11-acryloyloxyundecyloxy)benzoyloxy]benzene

ST06132

132900-74-4

C48H62O10

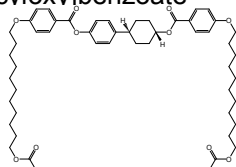


min. 96 % (HPLC);

4-{4-[4-[11-(Acryloyloxy)undecyloxy]benzoyloxy]cyclohexyl}phenyl 4-[11-(acryloyloxy)undecyloxy]benzoate

ST04674

C54H72O10



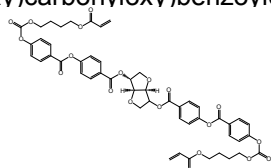
min. 95 % (HPLC);

(3R,3aS,6aS)-Hexahydrofuro[3,2-b]furan-3,6-diyl bis(4-(4-(acryloyloxy)butoxy)carbonyloxy)benzoate

ST06287

223572-88-1

C50H46O20

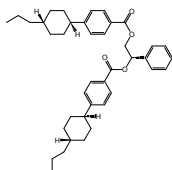


LC756

DOPANTS FOR LC-APPLICATIONS: CHIRAL DOPANTS

Benzoic acid, 4-(trans-4-propylcyclohexyl)-1,1'-[(1(S)(+))-1-phenyl-1,2-ethanediyl] ester

ST06152

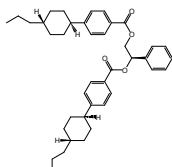


min. 99.5 % (HPLC);
m. p.: 144.5 (DSC-Peak);

C40H50O4

Benzoic acid, 4-(trans-4-propylcyclohexyl)-1,1'-[(1(R)(-))-1-phenyl-1,2-ethanediyl] ester

ST06153

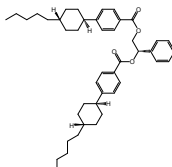


min. 98 % (HPLC);

C40H50O4

Benzoic acid, 4-(trans-4-pentylcyclohexyl)-1,1'-[(1(S)(+))-1-phenyl-1,2-ethanediyl] ester

ST05865



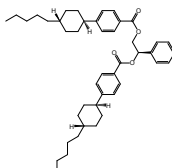
min. 99.5 % (HPLC);
m. p.: 131-133°C;

165660-09-3

C44H58O4

Benzoic acid, 4-(trans-4-pentylcyclohexyl)-1,1'-[(1(R)(-))-1-phenyl-1,2-ethanediyl] ester

ST05866



min. 99.5 % (HPLC);
m. p.: 131-134°C;

154102-21-3

C44H58O4

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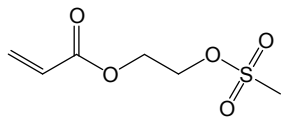
LC-POLYMER PRECURSORS: ACRYLATES AND METHACRYLATES

Acrylic acid 2-(methanesulfonyloxy)ethyl ester

ST04313

89599-42-8

C6H10O5S



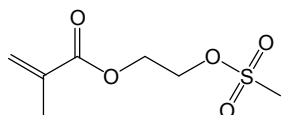
min. 94 % (GC); 1H-NMR conforms;

Methacrylic acid 2-(methanesulfonyloxy)ethyl ester

ST04314

16081-17-7

C7H12O5S



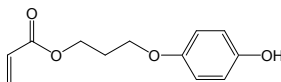
min. 94 % (GC); 1H-NMR conforms;

Acrylic acid 3-(4-hydroxy-phenoxy)propyl ester

ST04327

1092853-38-7

C12H14O4



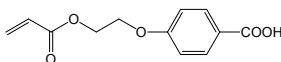
min. 98 % (HPLC);

4-(2-Acryloyloxyeth-1-yloxy)benzoic acid

ST01630

69260-38-4

C12H12O5



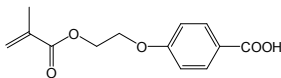
min. 95 % (HPLC);
m. p.: 143-147°C;

4-(2-Methacryloyloxyeth-1-yloxy)benzoic acid

ST01889

69260-39-5

C13H14O5



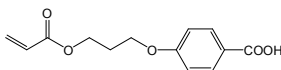
min. 97 % (HPLC);
m. p.: 145-147°C;

4-(3-Acryloxy-n-prop-1-yloxy)benzoic acid

ST02453

245349-46-6

C13H14O5



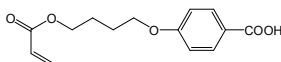
min. 96 % (HPLC);
m. p.: 123-125°C;

4-(4-Acryloyloxy-n-but-1-yloxy)benzoic acid

ST01680

69260-42-0

C14H16O5



min. 96 % (HPLC);
m. p.: 121-124°C;

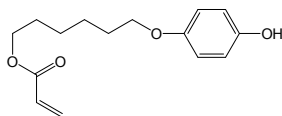
LC-POLYMER PRECURSORS: ACRYLATES AND METHACRYLATES

4-(6-Acryloyloxy-n-hex-1-yloxy)phenol

ST03456

161841-12-9

C15H20O4



min. 98 % (HPLC);

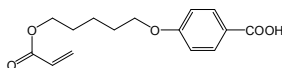
m. p.: 53-56°C;

4-(5-Acryloxy-pentyl-1-oxy)benzoic acid

ST02454

167771-51-9

C15H18O5



min. 96% HPLC;

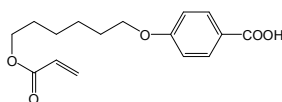
mesophase behaviour: Cr 97 N 110 I;

4-(6-Acryloyloxy-n-hex-1-yloxy)benzoic acid

ST00902

83883-26-5

C16H20O5



min. 96 % (HPLC);

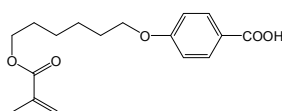
m. p.: 90-93°C;

4-(6-Methacryloyloxy-n-hex-1-yloxy)benzoic acid

ST01618

91652-00-5

C17H22O5



min. 96 % (HPLC);

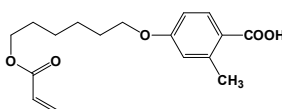
m. p.: 87-92°C;

4-(6-Acryloyloxy-n-hex-1-yloxy)-2-methylbenzoic acid

ST03606

325976-65-6

C17H22O5



min. 95 % (HPLC);

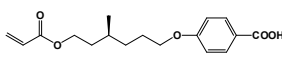
m. p.: 68-75°C;

(S)-4-(6-(Acryloyloxy)-4-methylhexyloxy)benzoic acid

ST06347

164590-17-4

C17H22O5



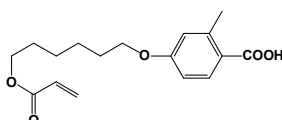
96,00 - 100,00 % (HPLC)

4-(6-(Acryloyloxy)hexyloxy)-2-methylbenzoic acid

ST06429

C17H22O5

NEW



min. 95 % (HPLC)

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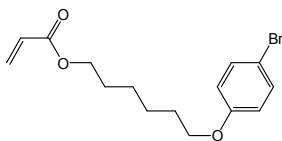
LC-POLYMER PRECURSORS: ACRYLATES AND METHACRYLATES

6-(4-Bromophenoxy)hexyl acrylate

ST06335

1431880-70-4

C₁₅H₁₉BrO₃



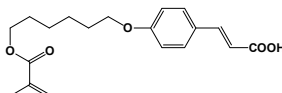
¹H-NMR confirmed structure

2-Methylacrylic acid 6-[4-(2-carboxyvinyl)phenoxy]hexyl ester

ST05958

125274-23-9

C₁₉H₂₄O₅



M6CA

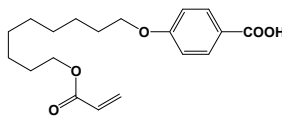
min. 97 % (HPLC);

4-(11-Acryloyloxy-n-non-1-yloxy)benzoic acid

ST04572

186046-62-8

C₁₉H₂₆O₅



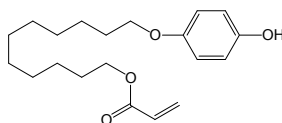
min. 96 % (HPLC);

Acrylic acid 11-(4-hydroxyphenoxy)undecyl ester

ST04667

250593-96-5

C₂₀H₃₀O₄



4-(11-Acryloyloxy-n-undec-1-yloxy)phenol

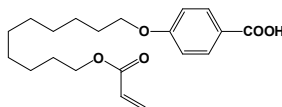
min. 96 % (HPLC);

4-(10-Acryloyloxy-n-dec-1-yloxy)benzoic acid

ST03604

143203-04-7

C₂₀H₂₈O₅



min. 95 % (HPLC);

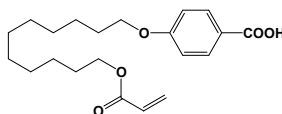
mesophase behaviour: Cr 75 N 110 I;

4-(11-Acryloyloxy-n-undec-1-yloxy)benzoic acid

ST04463

106620-90-0

C₂₁H₃₀O₅



min. 96 % (HPLC);

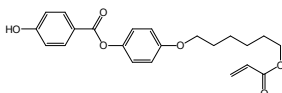
mesophase behaviour: Cr 75 N 100 I;

4-Hydroxybenzoic acid 4-[(6-acryloyloxy)hexyloxy]phenyl ester

ST04354

161841-14-1

C₂₂H₂₄O₆



min. 95 % (HPLC);

m. p.: 104-106°C;

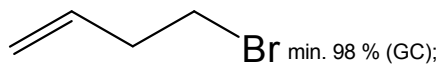
LC-POLYMER PRECURSORS: SPACERS

4-Bromo-1-butene

ST00864

5162-44-7

C₄H₇Br

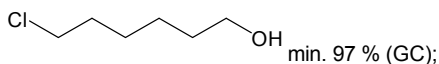


6-Chloro-1-hexanol

ST01359

2009-83-8

C₆H₁₃ClO

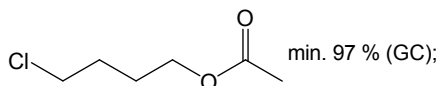


4-Chlorobutyl acetate

ST01168

6962-92-1

C₆H₁₁ClO₂

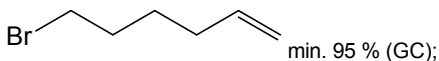


6-Bromo-1-hexene

ST03780

2695-47-8

C₆H₁₁Br

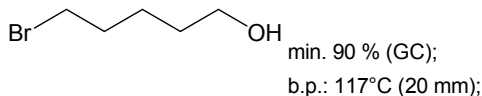


5-Bromo-1-pentanol

ST01740

34626-51-2

C₅H₁₁BrO

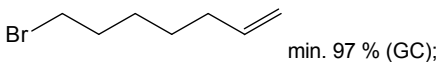


7-Bromo-1-heptene

ST05905

4117-09-3

C₇H₁₃Br

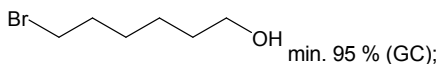


6-Bromo-1-hexanol

ST01360

4286-55-9

C₆H₁₃BrO



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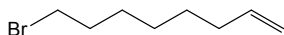
LC-POLYMER PRECURSORS: SPACERS

8-Bromo-1-octene

ST06164

2695-48-9

C₈H₁₅Br



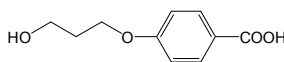
min. 97 % (GC);

4-(3-Hydroxy-propyloxy)benzoic acid

ST05936

46350-87-2

C₁₀H₁₂O₄



min. 97 % (HPLC);

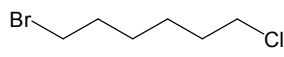
m. p.: 145-150°C;

1-Bromo-6-chlorohexane

ST03808

6294-17-3

C₆H₁₂BrCl



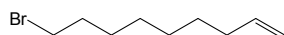
min. 97 % (GC);

9-Bromo-1-nonene

ST02929

89359-54-6

C₉H₁₇Br



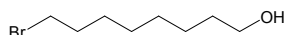
min. 95 % (GC);

8-Bromo-1-octanol

ST01670

50816-19-8

C₈H₁₇BrO



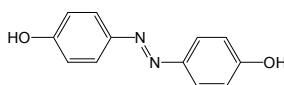
min. 95 % (GC);

4,4'-(1,2-Diazenediyl)bisphenol

ST04178

2050-16-0

C₁₂H₁₀N₂O₂



4,4'-Dihydroxyazobenzene

min. 97 % (HPLC); ¹H-NMR conforms;

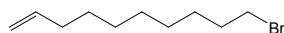
m. p.: 217-221°C;

10-Bromo-1-decene

ST01247

62871-09-4

C₁₀H₁₉Br



min. 96 % (GC);

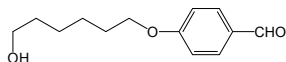
LC-POLYMER PRECURSORS: SPACERS

4-(6-Hydroxyhexyloxy)benzaldehyde

ST05957

96735-91-0

C₁₃H₁₈O₃



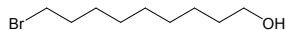
min. 97 % (GC);

9-Bromo-1-nonanol

ST01739

55362-80-6

C₉H₁₉BrO



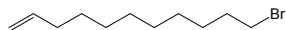
min. 97 % (GC);

11-Bromo-1-undecene

ST00724

7766-50-9

C₁₁H₂₁Br



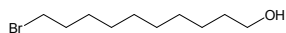
Undec-10-en-1-ylbromide
min. 97 % (GC);

10-Bromo-1-decanol

ST00914

53463-68-6

C₁₀H₂₁BrO



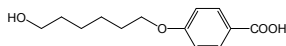
min. 95 % (GC);

4-(6-Hydroxyhexyloxy)benzoic acid

ST04135

83883-25-4

C₁₃H₁₈O₄



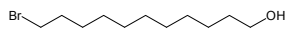
min. 97 % (HPLC);
m. p.: 138.8°C (DSC-Peak);

11-Bromo-1-undecanol

ST01660

1611-56-9

C₁₁H₂₃BrO



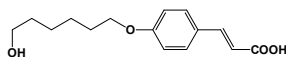
min. 97 % (GC);

3-[4-(6-Hydroxyhexyloxy)phenyl]acrylic acid

ST05999

503000-67-7

C₁₅H₂₀O₄



min. 97 % (HPLC);

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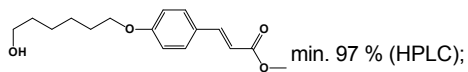
LC-POLYMER PRECURSORS: SPACERS

3-[4-(6-Hydroxyhexyloxy)phenyl]acrylic acid methyl ester

ST06000

878283-77-3

C₁₆H₂₂O₄

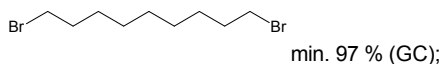


1,9-Dibromononane

ST04255

4549-33-1

C₉H₁₈Br₂

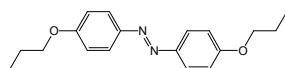


1,2-Bis(4-propoxyphenyl)diazene

ST06430

C₁₈H₂₂N₂O₂

NEW

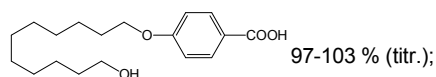


4-(11-Hydroxyundecyloxy)benzoic acid

ST04554

59100-59-3

C₁₈H₂₈O₄

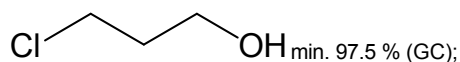


3-Chloro-1-propanol

ST04082

627-30-5

C₃H₇ClO



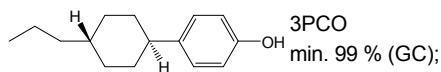
PRECURSORS FOR LIQUID CRYSTALS: 4-(TRANS-4-ALKYLCYCLOHEXYL)PHENOLS

trans-4-(4'-n-Propylcyclohexyl)phenol

ST03931

81936-33-6

C15H22O

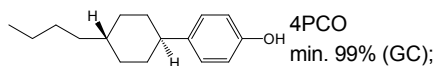


trans-4-(4'-n-Butylcyclohexyl)phenol

ST03932

88581-00-4

C16H24O

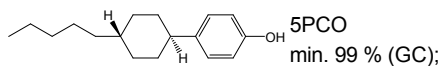


trans-4-(4'-n-Pentylcyclohexyl)phenol

ST03933

82575-69-7

C17H26O

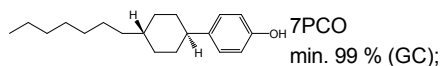


trans-4-(4'-n-Heptylcyclohexyl)phenol

ST04097

90525-37-4

C19H30O



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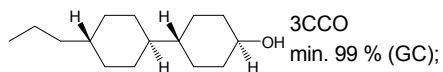
PRECURSORS FOR LIQUID CRYSTALS: TRANS-4-ALKYL-1,1'-BI(CYCLOHEXAN)-4-OLS

trans-4-(trans-4-n-Propylcyclohexyl)cyclohexanol

ST03934

82832-72-2

C15H28O

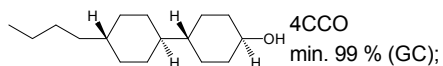


trans-4-(trans-4-n-Butylcyclohexyl)cyclohexanol

ST03935

88580-99-8

C16H30O

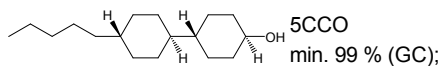


trans-4-(trans-4-n-Pentylcyclohexyl)cyclohexanol

ST03936

82575-70-0

C17H32O



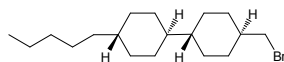
(trans,trans)-4-(Bromomethyl)-4'-pentyl-1,1'-bicyclohexyl

ST06370

82575-65-3

C18H33Br

NEW



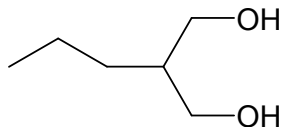
PRECURSORS FOR LIQUID CRYSTALS: 2-ALKYL-PROPANE-1,3-DIOLS

2-n-Propyl-propane-1,3-diol

ST00569

2612-28-4

C₆H₁₄O₂



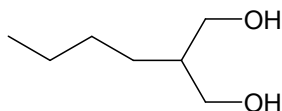
min. 98 % (GC);
b. p.: 96-98°C (3 Torr);

2-n-Butyl-propane-1,3-diol

ST00570

2612-26-2

C₇H₁₆O₂



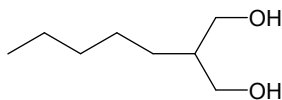
min. 97 % (GC);

2-n-Pentyl-propane-1,3-diol

ST00571

25462-23-1

C₈H₁₈O₂



min. 97 % (GC);

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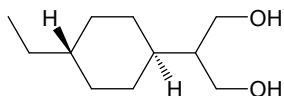
PRECURSORS FOR LIQUID CRYSTALS: TRANS-(ALKYLCYCLOHEXYL)PROPANE-1,3-DIOLES

2-(trans-4'-Ethylcyclohexyl)propane-1,3-diol

ST00994

93129-38-5

C₁₁H₂₂O₂



min. 99 % (GC);

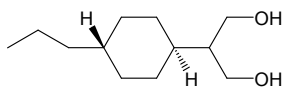
mesophase behaviour: Cr 54 Sb 84-85 I;

2-(trans-4'-n-Propylcyclohexyl)propane-1,3-diol

ST00934

132310-86-2

C₁₂H₂₄O₂



min. 99 % (GC);

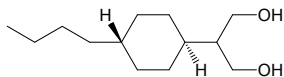
mesophase behaviour: Cr 63 Sb 102 I;

2-(trans-4'-n-Butyl-cyclohexyl)propane-1,3-diol

ST00810

132310-87-3

C₁₃H₂₆O₂



min. 99 % (GC);

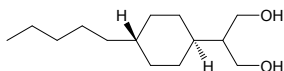
mesophase behaviour: Cr 64 Sb 113 I;

2-(trans-4'-n-Pentylcyclohexyl)propane-1,3-diol

ST01288

93129-37-4

C₁₄H₂₈O₂



min. 99 % (GC);

mesophase behaviour: Cr 70 Sb 114.5 I;

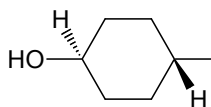
PRECURSORS FOR LIQUID CRYSTALS: TRANS-4-ALKYLCYCLOHEXANE-CARBOXYLIC ACIDS

trans-4-Hydroxycyclohexanecarboxylic acid

ST03668

3685-26-5

C7H12O3



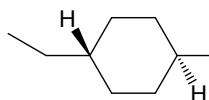
95-105 % (titr.); 1-H-NMR conforms;
m. p.: 147.9 (DSC-Peak);

trans-(4-Ethylcyclohexane)carboxylic acid

ST01116

6833-47-2

C9H16O2



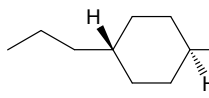
min. 98 % (GC);
m. p.: 28-30°C;

trans-(4-n-Propylcyclohexane)carboxylic acid

ST01369

38289-27-9

C10H18O2



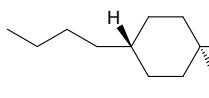
min. 99 % (GC);
m. p.: 98-100°C;

trans-(4-n-Butylcyclohexane)carboxylic acid

ST01370

38289-28-0

C11H20O2



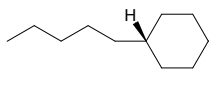
min. 98 % (GC);
m. p.: 36-40°C;

trans-(4-n-Pentylcyclohexane)carboxylic acid

ST01117

38289-29-1

C12H22O2



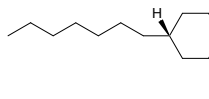
min. 98 % (GC);
m. p.: 51-54°C;

trans-(4-n-Heptylcyclohexane)carboxylic acid

ST05861

38289-31-5

C14H26O2



min. 98 % (GC);
mesophase behaviour: Cr 74-76 N 101-102 I;

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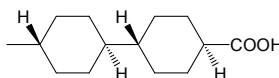
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYL-1,1'-BICYCLOHEXYL-4'-CARBOXYLIC ACIDS

trans-4-(trans-4'-Methylcyclohexyl)cyclohexane carboxylic acid

ST02507

1072109-04-6

C₁₄H₂₄O₂



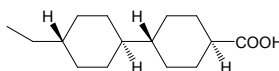
all-trans-4'-Methylbicyclohexyl-4-carboxylic acid
min. 99 % (GC);

trans-4-(trans-4'-Ethylcyclohexyl)cyclohexane carboxylic acid

ST02200

84976-67-0

C₁₅H₂₆O₂



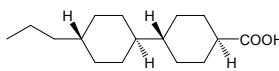
all-trans-4'-Ethyl-bicyclohexyl-4-carboxylic acid
min. 99 % (GC);

trans-4-(trans-4'-n-Propylcyclohexyl)cyclohexane carboxylic acid

ST02201

65355-32-0

C₁₆H₂₈O₂



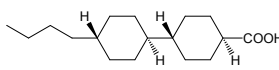
trans-4-(trans-4'-n-Propylcyclohexyl)cyclohexane carboxylic acid
min. 99 % (GC);

trans-4-(trans-4'-n-Butylcyclohexyl)cyclohexane carboxylic acid

ST02508

89111-63-7

C₁₇H₃₀O₂



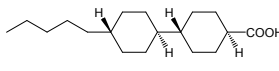
all-trans-4'-n-Butyl-bicyclohexyl-4-carboxylic acid
min. 99 % (GC);

trans-4-(trans-4'-n-Pentylcyclohexyl)cyclohexane carboxylic acid

ST02202

65355-33-1

C₁₈H₃₂O₂



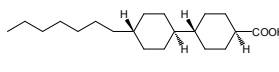
all-trans-4'-n-Pentyl-bicyclohexyl-4-carboxylic acid
min. 99 % (GC);

trans-4-(trans-4'-n-Heptylcyclohexyl)cyclohexane carboxylic acid

ST05947

65355-34-2

C₂₀H₃₆O₂



all-trans-4'-Heptylbicyclohexyl-4-carboxylic acid
min. 99 % (GC);

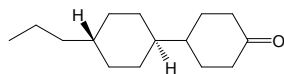
PRECURSORS FOR LIQUID CRYSTALS: 4-(4'-ALKYLCYCLOHEX-1-YL)CYCLO-
HEXANONES

4-(trans-4'-n-Propylcyclohexyl)cyclohexanone

ST01860

82832-73-3

C15H26O



min. 99 % (GC);

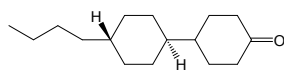
m. p.: 28.4°C (DSC peak);

4-(trans-4'-n-Butylcyclohexyl)cyclohexanone

ST02056

92413-47-3

C16H28O



min. 99 % (GC);

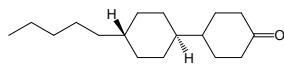
m. p.: 43.9°C (DSC peak);

4-(trans-4'-n-Pentylcyclohexyl)cyclohexanone

ST01861

84868-02-0

C17H30O



min. 99 % (GC);

m. p.: 32.6°C (DSC peak);

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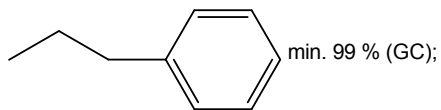
PRECURSORS FOR LIQUID CRYSTALS: ALKYL BENZENES

n-Propylbenzene

ST00714

103-65-1

C₉H₁₂

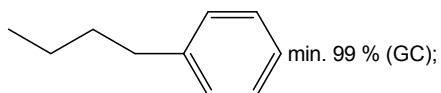


n-Butylbenzene

ST00715

104-51-8

C₁₀H₁₄

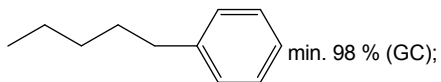


n-Pentylbenzene

ST00716

538-68-1

C₁₁H₁₆

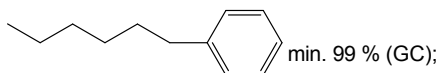


n-Hexylbenzene

ST00717

1077-16-3

C₁₂H₁₈

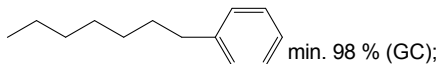


n-Heptylbenzene

ST00718

1078-71-3

C₁₃H₂₀

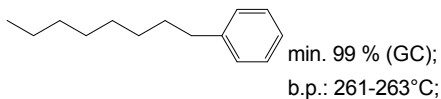


n-Octylbenzene

ST00719

2189-60-8

C₁₄H₂₂

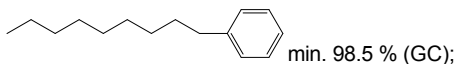


n-Nonylbenzene

ST00720

1081-77-2

C₁₅H₂₄



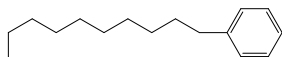
PRECURSORS FOR LIQUID CRYSTALS: ALKYL BENZENES

n-Decylbenzene

ST06121

104-72-3

C₁₆H₂₆



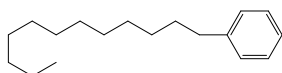
min. 98 % (GC);

n-Dodecylbenzene

ST04421

123-01-3

C₁₈H₃₀



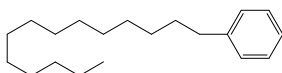
min. 98 % (GC);

Tetradecylbenzene

ST03010

1459-10-5

C₂₀H₃₄



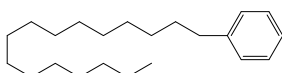
min. 97 % (GC);

Hexadecylbenzene

ST03009

1459-09-2

C₂₂H₃₈



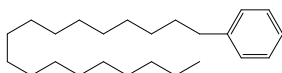
min. 97 % (GC);

n-Octadecylbenzene

ST03174

4445-07-2

C₂₄H₄₂



min. 98 % (GC);

m. p.: 33-36°C;

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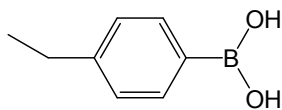
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYLPHENYLBORONIC ACIDS

(4-Ethylphenyl)boronic acid

ST03851

63139-21-9

C₈H₁₁BO₂



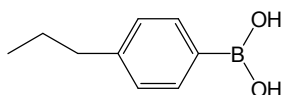
1H-NMR conforms;

(4-n-Propylphenyl)boronic acid

ST03852

134150-01-9

C₉H₁₃BO₂



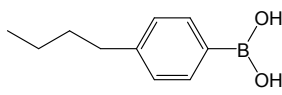
1H-NMR conforms;

(4-n-Butylphenyl)boronic acid

ST03853

145240-28-4

C₁₀H₁₅BO₂



1H-NMR conforms;

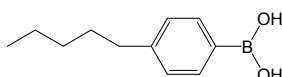
m. p.: 91-97°C;

(4-n-Pentylphenyl)boronic acid

ST03854

121219-12-3

C₁₁H₁₇BO₂



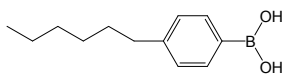
min. 98 % (HPLC); 1 H-NMR conforms;

(4-n-Hexylphenyl)boronic acid

ST03855

105365-50-2

C₁₂H₁₉BO₂



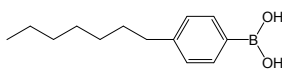
min. 98 % (HPLC); 1 H-NMR conforms;

(4-n-Heptylphenyl)boronic acid

ST03856

256383-44-5

C₁₃H₂₁BO₂



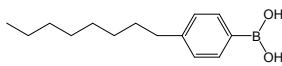
1H-NMR conforms;

(4-n-Octylphenyl)boronic acid

ST03857

133997-05-4

C₁₄H₂₃BO₂



min. 98 % (HPLC); 1 H-NMR conforms;

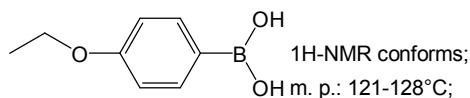
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKOXYPHENYLBORONIC ACIDS

(4-n-Ethoxyphenyl)boronic acid

ST03858

22237-13-4

C₈H₁₁BO₃

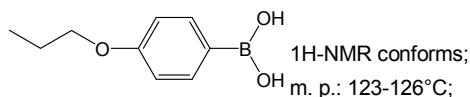


(4-n-Propoxyphenyl)boronic acid

ST03859

186497-67-6

C₉H₁₃BO₃

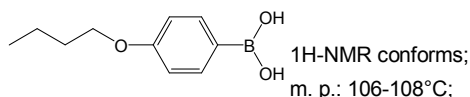


(4-n-Butoxyphenyl)boronic acid

ST03860

105365-51-3

C₁₀H₁₅BO₃

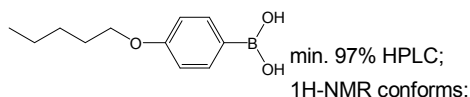


(4-n-Pentyloxyphenyl)boronic acid

ST03861

146449-90-3

C₁₁H₁₇BO₃

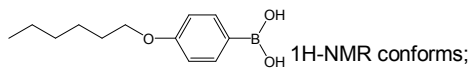


(4-n-Hexyloxyphenyl)boronic acid

ST03862

121219-08-7

C₁₂H₁₉BO₃

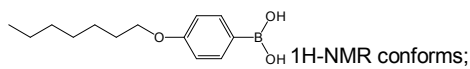


(4-n-Heptyloxyphenyl)boronic acid

ST03863

136370-19-9

C₁₃H₂₁BO₃

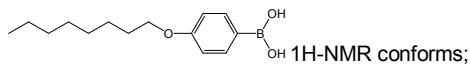


(4-n-Octyloxyphenyl)boronic acid

ST03864

121554-09-4

C₁₄H₂₃BO₃



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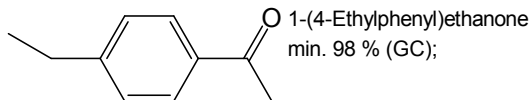
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYL-ACETOPHENONES

4'-Ethylacetophenone

ST01516

937-30-4

C₁₀H₁₂O

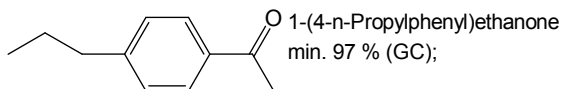


4'-n-Propylacetophenone

ST01517

2932-65-2

C₁₁H₁₄O



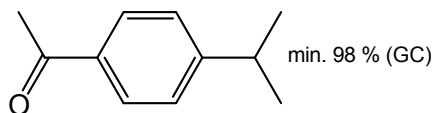
4'-Isopropylacetophenone

ST06423

645-13-6

C₁₁H₁₄O

NEW

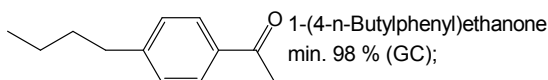


4'-n-Butylacetophenone

ST01518

37920-25-5

C₁₂H₁₆O

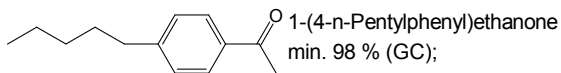


4'-n-Pentylacetophenone

ST01519

37593-02-5

C₁₃H₁₈O

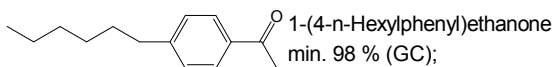


4'-n-Hexylacetophenone

ST01520

37592-72-6

C₁₄H₂₀O

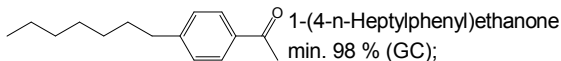


4'-n-Heptylacetophenone

ST01521

37593-03-6

C₁₅H₂₂O



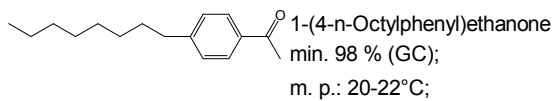
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYL-ACETOPHENONES

4'-n-Octylacetophenone

ST01522

10541-56-7

C₁₆H₂₄O



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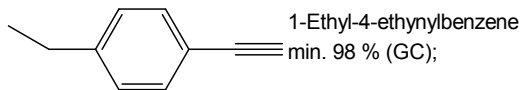
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYL-PHENYLACETYLENES

4-Ethylphenylacetylene

ST01596

40307-11-7

C₁₀H₁₀

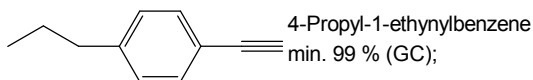


4-n-Propylphenylacetylene

ST01416

62452-73-7

C₁₁H₁₂

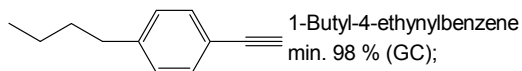


4-n-Butylphenylacetylene

ST04650

79887-09-5

C₁₂H₁₄

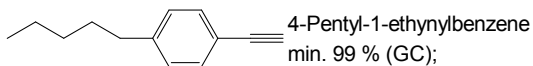


4-n-Pentylphenylacetylene

ST01417

79887-10-8

C₁₃H₁₆

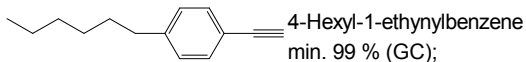


4-n-Hexylphenylacetylene

ST03262

79887-11-9

C₁₄H₁₈

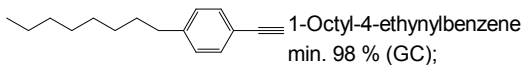


4-n-Octylphenylacetylene

ST04537

79887-13-1

C₁₆H₂₂



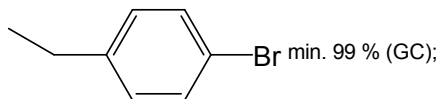
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYLBROMOBENZENES

1-Bromo-4-ethylbenzene

ST01281

1585-07-5

C₈H₉Br

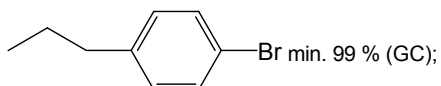


1-Bromo-4-n-propylbenzene

ST01282

588-93-2

C₉H₁₁Br

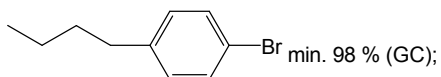


1-Bromo-4-n-butylbenzene

ST01283

41492-05-1

C₁₀H₁₃Br

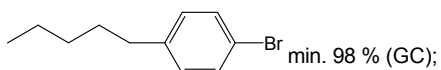


1-Bromo-4-n-pentylbenzene

ST01284

51554-95-1

C₁₁H₁₅Br

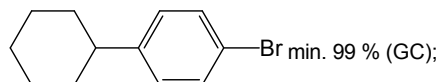


1-Bromo-4-cyclohexylbenzene

ST04414

25109-28-8

C₁₂H₁₅Br

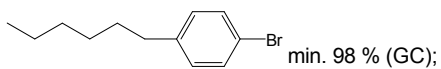


1-Bromo-4-n-hexylbenzene

ST01285

23703-22-2

C₁₂H₁₇Br

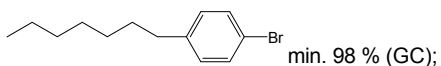


1-Bromo-4-n-heptylbenzene

ST01286

76287-49-5

C₁₃H₁₉Br



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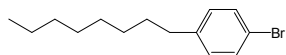
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYLBROMOBENZENES

1-Bromo-4-n-octylbenzene

ST01287

51554-93-9

C₁₄H₂₁Br



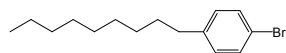
min. 98 % (GC);

1-Bromo-4-n-nonylbenzene

ST04294

51554-94-0

C₁₅H₂₃Br



min. 98 % (GC);

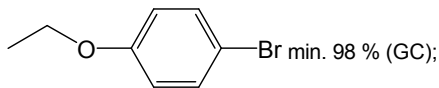
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKOXYBROMOBENZENES

1-Bromo-4-ethoxybenzene

ST01274

588-96-5

C₈H₉BrO

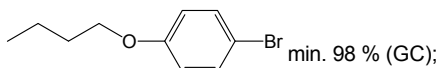


1-Bromo-4-n-butyloxybenzene

ST01276

39969-57-8

C₁₀H₁₃BrO

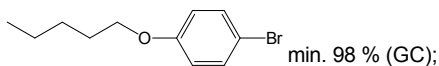


1-Bromo-4-n-pentyloxybenzene

ST01277

30752-18-2

C₁₁H₁₅BrO

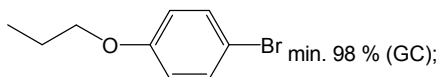


1-Bromo-4-n-propyloxybenzene

ST01275

39969-56-7

C₉H₁₁BrO

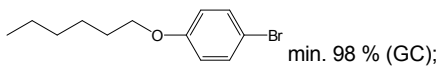


1-Bromo-4-n-hexyloxybenzene

ST01278

30752-19-3

C₁₂H₁₇BrO

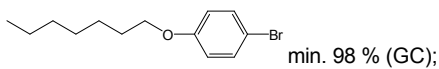


1-Bromo-4-n-heptyloxybenzene

ST01279

123732-04-7

C₁₃H₁₉BrO

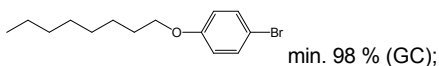


1-Bromo-4-n-octyloxybenzene

ST01280

96693-05-9

C₁₄H₂₁BrO



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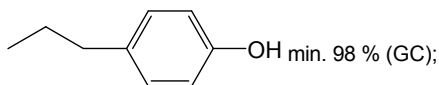
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYL- AND 4-CYANOPHENOLS

4-n-Propylphenol

ST00444

645-56-7

C₉H₁₂O

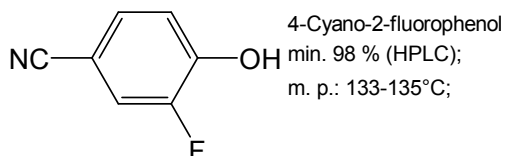


3-Fluoro-4-hydroxybenzonitrile

ST00732

405-04-9

C₇H₄FN

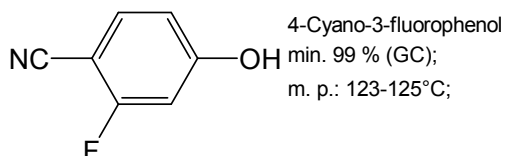


2-Fluoro-4-hydroxybenzonitrile

ST00733

82380-18-5

C₇H₄FN

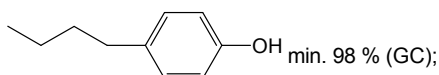


4-n-Butylphenol

ST00445

1638-22-8

C₁₀H₁₄O

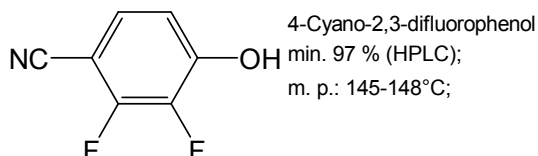


2,3-Difluoro-4-hydroxybenzonitrile

ST00734

126162-38-7

C₇H₃F₂N

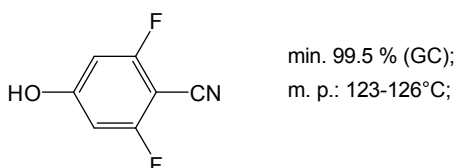


2,6-Difluoro-4-hydroxybenzonitrile

ST02863

123843-57-2

C₇H₃F₂N

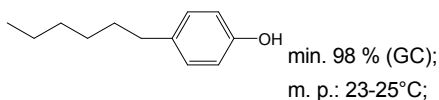


4-n-Pentylphenol

ST00446

14938-35-3

C₁₁H₁₆O



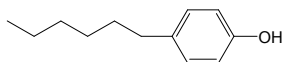
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYL- AND 4-CYANOPHENOLS

4-n-Hexylphenol

ST00447

2446-69-7

C12H18O



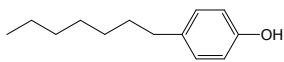
min. 98 % (GC);

4-n-Heptylphenol

ST00448

1987-50-4

C13H20O



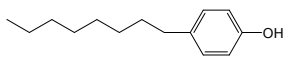
min. 98 % (GC);

4-n-Octylphenol

ST00449

1806-26-4

C14H22O



min. 98 % (GC);

m.p.: 43-45 °C

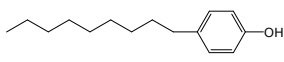
liquid crystal intermediate;

4-n-Nonylphenol

ST01067

104-40-5

C15H24O



min. 99 % (GC);

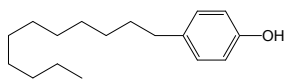
m. p.: 43-44°C;

4-Undecylphenol

ST06237

20056-73-9

C17H28O



min. 98 % (GC);

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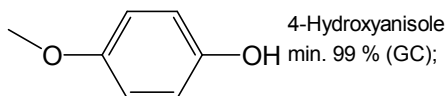
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKOXYPHENOLS

4-Methoxyphenol

ST01293

150-76-5

C₇H₈O₂

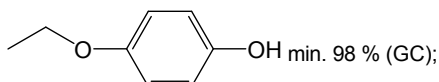


4-Ethoxyphenol

ST00436

622-62-8

C₈H₁₀O₂

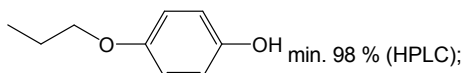


4-n-Propoxyphenol

ST00437

18979-50-5

C₉H₁₂O₂

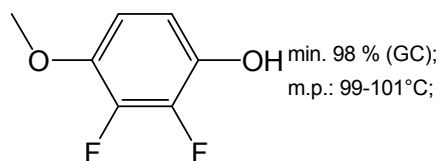


2,3-Difluoro-4-methoxyphenol

ST03659

261763-29-5

C₇H₆F₂O₂

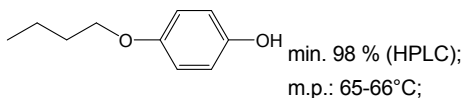


4-n-Butyloxyphenol

ST00438

122-94-1

C₁₀H₁₄O₂

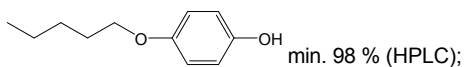


4-n-Pentyloxyphenol

ST00439

18975-53-8

C₁₁H₁₆O₂

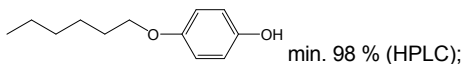


4-n-Hexyloxyphenol

ST00440

18979-55-0

C₁₂H₁₈O₂



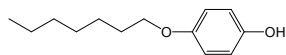
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKOXYPHENOLS

4-Heptyloxyphenol

ST00441

13037-86-0

C₁₃H₂₀O₂



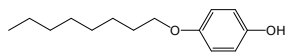
min. 98 % (HPLC);

4-n-Octyloxyphenol

ST00442

3780-50-5

C₁₄H₂₂O₂



min. 98 % (HPLC);

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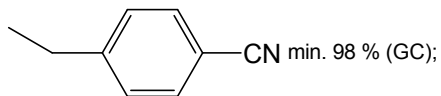
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYLBENZONITRILES

4-Ethylbenzonitrile

ST00429

25309-65-3

C₉H₉N

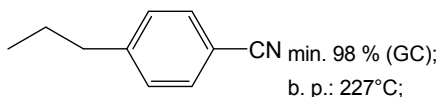


4-n-Propylbenzonitrile

ST00430

60484-66-4

C₁₀H₁₁N

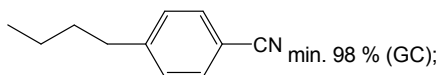


4-n-Butylbenzonitrile

ST00431

20651-73-4

C₁₁H₁₃N

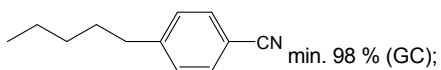


4-n-Pentylbenzonitrile

ST00432

10270-29-8

C₁₂H₁₅N

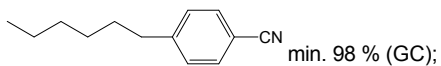


4-n-Hexylbenzonitrile

ST00433

29147-95-3

C₁₃H₁₇N

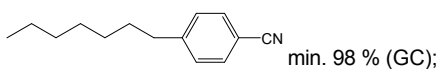


4-n-Heptylbenzonitrile

ST00434

60484-67-5

C₁₄H₁₉N

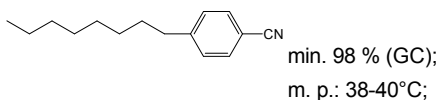


4-n-Octylbenzonitrile

ST00435

60484-68-6

C₁₅H₂₁N



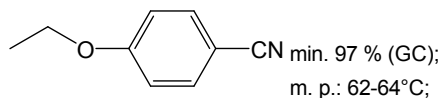
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKOXYBENZONITRILES

4-Ethoxybenzonitrile

ST00422

25117-74-2

C₉H₉NO

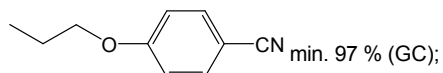


4-n-Propyloxybenzonitrile

ST00423

60758-84-1

C₁₀H₁₁NO

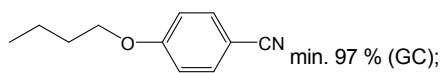


4-n-Butyloxybenzonitrile

ST00424

5203-14-5

C₁₁H₁₃NO

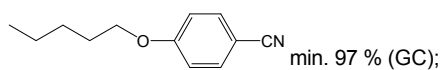


4-n-Pentyloxybenzonitrile

ST00425

120893-63-2

C₁₂H₁₅NO

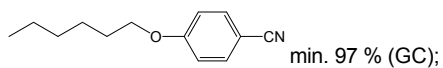


4-n-Hexyloxybenzonitrile

ST00426

66052-06-0

C₁₃H₁₇NO

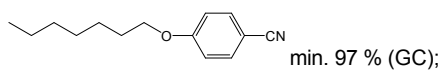


4-n-Heptyloxybenzonitrile

ST00427

29147-88-4

C₁₄H₁₉NO

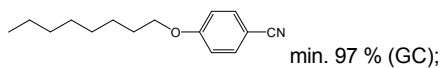


4-n-Octyloxybenzonitrile

ST00428

88374-55-4

C₁₅H₂₁NO



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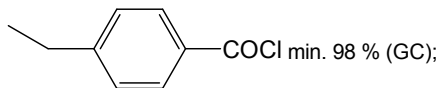
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYLBENZOYL CHLORIDES

4-Ethylbenzoyl chloride

ST00415

16331-45-6

C₉H₉ClO

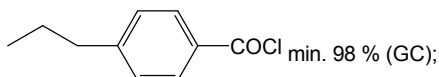


4-n-Propylbenzoyl chloride

ST00416

52710-27-7

C₁₀H₁₁ClO

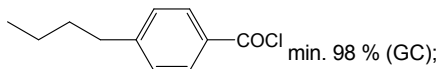


4-n-Butylbenzoyl chloride

ST00417

28788-62-7

C₁₁H₁₃ClO

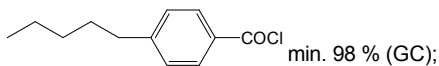


4-n-Pentylbenzoyl chloride

ST00418

49763-65-7

C₁₂H₁₅ClO

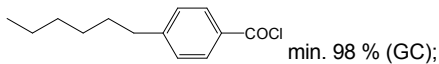


4-n-Hexylbenzoyl chloride

ST00419

50606-95-6

C₁₃H₁₇ClO

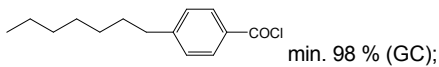


4-n-Heptylbenzoyl chloride

ST00420

50606-96-7

C₁₄H₁₉ClO

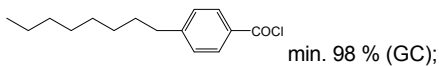


4-n-Octylbenzoyl chloride

ST00421

50606-97-8

C₁₅H₂₁ClO



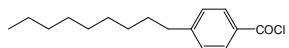
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYLBENZOYL CHLORIDES

4-n-Nonylbenzoyl chloride

ST00916

54963-70-1

C₁₆H₂₃ClO



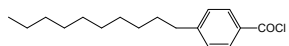
p-n-Nonylbenzoyl chloride
min. 97 % (GC);

4-n-Decylbenzoyl chloride

ST01392

54256-43-8

C₁₇H₂₅ClO



min. 98 % (GC);

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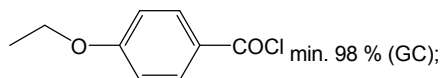
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKOXYBENZOYL CHLORIDES

4-Ethoxybenzoyl chloride

ST00408

16331-46-7

C₉H₉ClO₂

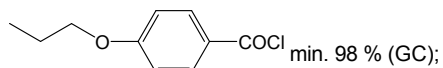


4-Propyloxybenzoyl chloride

ST00409

40782-58-9

C₁₀H₁₁ClO₂

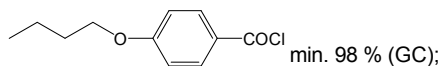


4-n-Butyloxybenzoyl chloride

ST00410

33863-86-4

C₁₁H₁₃ClO₂

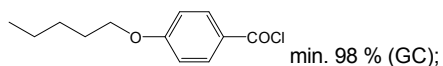


4-n-Pentyloxybenzoyl chloride

ST00411

36823-84-4

C₁₂H₁₅ClO₂

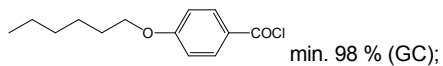


4-n-Hexyloxybenzoyl chloride

ST00412

39649-71-3

C₁₃H₁₇ClO₂

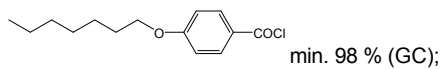


4-n-Heptyloxybenzoyl chloride

ST00413

40782-54-5

C₁₄H₁₉ClO₂

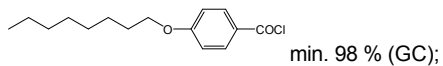


4-n-Octyloxybenzoyl chloride

ST00414

40782-53-4

C₁₅H₂₁ClO₂



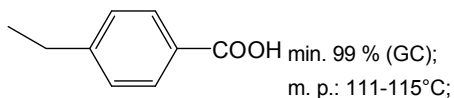
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYLBENZOIC ACIDS

4-Ethylbenzoic acid

ST00401

619-64-7

C₉H₁₀O₂

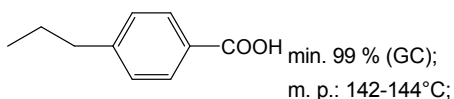


4-n-Propylbenzoic acid

ST00402

2438-05-3

C₁₀H₁₂O₂

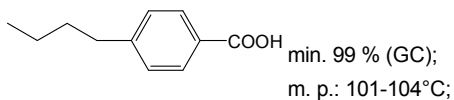


4-n-Butylbenzoic acid

ST00403

20651-71-2

C₁₁H₁₄O₂

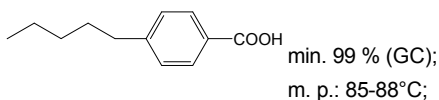


4-n-Pentylbenzoic acid

ST00404

26311-45-5

C₁₂H₁₆O₂

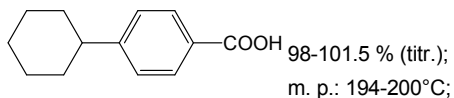


4-Cyclohexylbenzoic acid

ST01897

20029-52-1

C₁₃H₁₆O₂

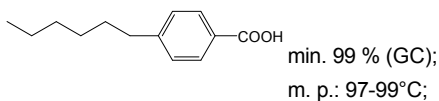


4-n-Hexylbenzoic acid

ST00405

21643-38-9

C₁₃H₁₈O₂

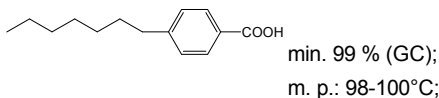


4-n-Heptylbenzoic acid

ST00406

38350-87-7

C₁₄H₂₀O₂



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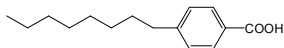
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYLBENZOIC ACIDS

4-n-Octylbenzoic acid

ST00407

3575-31-3

C₁₅H₂₂O₂



min. 98 % (GC);

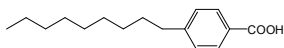
m. p.: 93-96°C;

4-n-Nonylbenzoic acid

ST01296

38289-46-2

C₁₆H₂₄O₂



min. 99 % (GC);

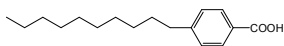
mesophase behaviour: Cr 97.5 N 115-115.5 I;

4-n-Decylbenzoic acid

ST01391

38300-04-8

C₁₇H₂₆O₂



min. 99 % (GC);

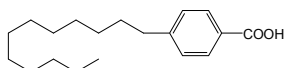
mesophase behaviour: Cr 94 N 109.5 I;

4-Dodecylbenzoic acid

ST05371

21021-55-6

C₁₉H₃₀O₂



min. 98 % (GC);

mesophase behaviour: Cr 95 Sm 99 N 107.5 N;

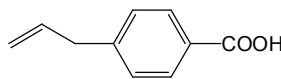
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKENYLBENZOIC ACIDS

4-Allylbenzoic acid

ST05882

1076-99-9

C₁₀H₁₀O₂



¹H-NMR conforms;

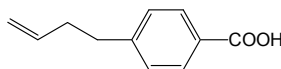
m. p.: 101-103°C;

4-(But-3-enyl)benzoic acid

ST05883

15451-35-1

C₁₁H₁₂O₂



¹H-NMR conforms;

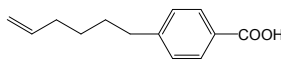
m. p.: 118-120°C;

4-(Hex-5-enyl)benzoic acid

ST05884

134831-52-0

C₁₃H₁₆O₂



min. 99 % (HPLC); ¹H-NMR conforms;

m. p.: 119-121°C;

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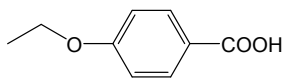
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKOXYBENZOIC ACIDS

4-Ethoxybenzoic acid

ST00394

619-86-3

C9H10O3



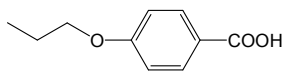
min. 99 % (GC);
m. p.: 197-201°C;

4-n-Propyloxybenzoic acid

ST00395

5438-19-7

C10H12O3



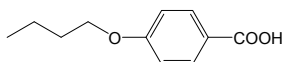
min. 98 % (GC);
m. p.: 145-147°C;

4-n-Butyloxybenzoic acid

ST00396

1498-96-0

C11H14O3



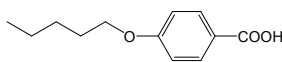
min. 98 % (HPLC);
m. p.: 147-150°C;

4-n-Pentyloxybenzoic acid

ST00397

15872-41-0

C12H16O3



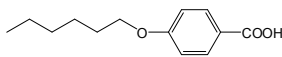
min. 99 % (HPLC);
m. p.: 126-128°C;

4-n-Hexyloxybenzoic acid

ST00398

1142-39-8

C13H18O3



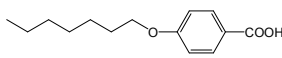
min. 99 % (HPLC);
m. p.: 105-107°C;

4-n-Heptyloxybenzoic acid

ST00399

15872-42-1

C14H20O3



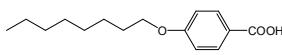
min. 99 % (HPLC);
m. p.: 91-93°C;

4-n-Octyloxybenzoic acid

ST00400

2493-84-7

C15H22O3

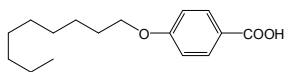


min. 99 % (HPLC);
m. p.: 99-101°C;

PRECURSORS FOR LIQUID CRYSTALS: 4-ALKOXYBENZOIC ACIDS

p- Nonyloxybenzoic acid

ST06194

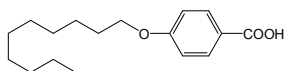


min. 98 % (GC);

C16H24O3

p- Decyloxybenzoic acid

ST06196

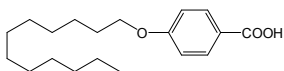


min. 98 % (GC);

C17H26O3

4-n-Dodecyloxybenzoic acid

ST03433



min. 98 % (GC);

mesophase behaviour: Cr 95 S 129 N 137 I;

2312-15-4

C19H30O3

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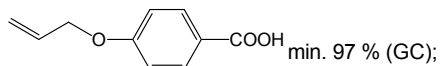
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKENYLOXYBENZOIC ACIDS

4-Allyloxybenzoic acid

ST06022

27914-60-9

C₁₀H₁₀O₃

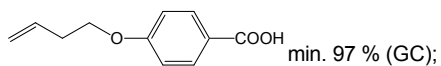


4-(3-Butenyloxy)benzoic acid

ST06023

115595-27-2

C₁₁H₁₂O₃

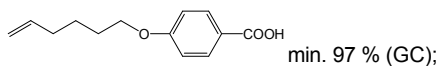


4-(5-Hexenyloxy)benzoic acid

ST06024

115595-28-3

C₁₃H₁₆O₃

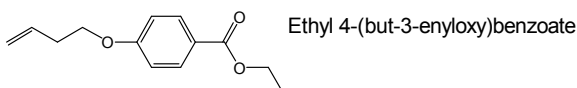


4-But-3-enyloxy-benzoic acid ethyl ester

ST06275

89091-82-7

C₁₃H₁₆O₃

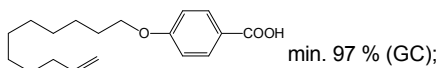


4-(10-undecylenoxy)benzoic acid

ST06025

59100-95-7

C₁₈H₂₆O₃



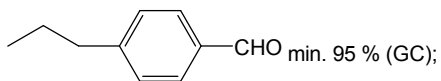
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYLBENZALDEHYDES

4-n-Propylbenzaldehyde

ST00388

28785-06-0

C₁₀H₁₂O

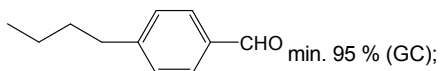


4-n-Butylbenzaldehyde

ST00389

1200-14-2

C₁₁H₁₄O

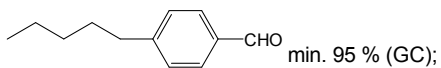


4-n-Pentylbenzaldehyde

ST00390

6853-57-2

C₁₂H₁₆O

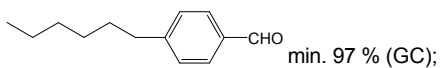


4-n-Hexylbenzaldehyde

ST00391

49763-69-1

C₁₃H₁₈O

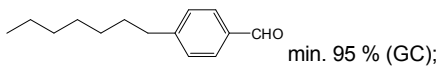


4-n-Heptylbenzaldehyde

ST00392

49763-67-9

C₁₄H₂₀O

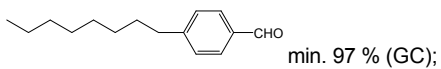


4-n-Octylbenzaldehyde

ST00393

49763-66-8

C₁₅H₂₂O



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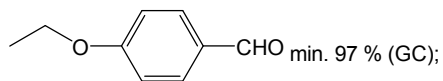
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKOXYBENZALDEHYDES

4-Ethoxybenzaldehyde

ST03294

19931-82-0

C₉H₁₀O₂

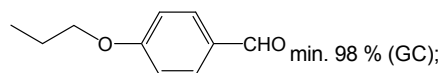


4-n-Propyloxybenzaldehyde

ST00382

5736-85-6

C₁₀H₁₂O₂

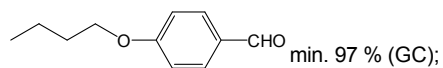


4-n-Butyloxybenzaldehyde

ST00383

5736-88-9

C₁₁H₁₄O₂

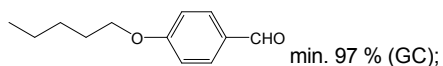


4-n-Pentyloxybenzaldehyde

ST00384

5736-91-4

C₁₂H₁₆O₂

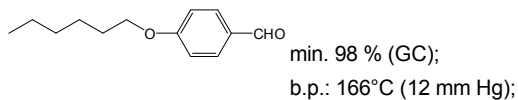


4-n-Hexyloxybenzaldehyde

ST00385

5736-94-7

C₁₃H₁₈O₂

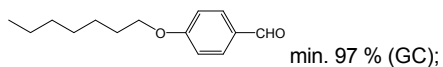


4-n-Heptyloxybenzaldehyde

ST00386

27893-41-0

C₁₄H₂₀O₂

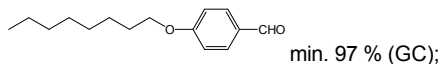


4-n-Octyloxybenzaldehyde

ST00387

24083-13-4

C₁₅H₂₂O₂



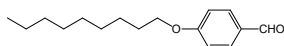
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKOXYBENZALDEHYDES

4-n-Nonyloxybenzaldehyde

ST03599

50262-46-9

C₁₆H₂₄O₂



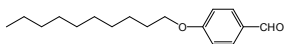
min. 98 % (GC);

4-n-Decyloxybenzaldehyde

ST02581

24083-16-7

C₁₇H₂₆O₂



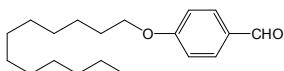
min. 98 % (GC);

4-n-Dodecyloxybenzaldehyde

ST01023

24083-19-0

C₁₉H₃₀O₂



min. 98 % (GC);

m. p.: 26-29°C;

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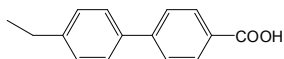
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYLBIPHENYL CARBOXYLIC ACIDS

4-Ethylbiphenyl-4'-carboxylic acid

ST00471

5731-13-5

C15H14O2



min. 98 % (HPLC);

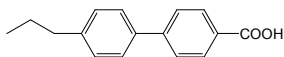
m. p.: 246-250°C;

4-n-Propylbiphenyl-4'-carboxylic acid

ST00472

88038-94-2

C16H16O2



min. 98 % (HPLC);

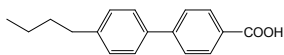
mesophase behaviour: Cr1 156 Cr2 170 Cr3 214 Cr4 226 N 278;

4-n-Butylbiphenyl-4'-carboxylic acid

ST00473

59662-46-3

C17H18O2



min. 98 % (HPLC);

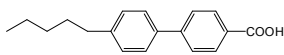
m. p.: 198-200°C;

4-n-Pentylbiphenyl-4'-carboxylic acid

ST00474

59662-47-4

C18H20O2



min. 98 % (HPLC);

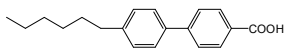
m. p.: 177-179°C;

4-Hexylbiphenyl-4'-carboxylic acid

ST00475

59662-48-5

C19H22O2



min. 98 % (HPLC);

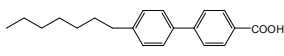
m. p.: 113-115°C;

4-n-Heptylbiphenyl-4'-carboxylic acid

ST00476

58573-94-7

C20H24O2



min. 98 % (HPLC);

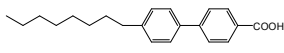
mesophase behaviour: Cr1 88 Cr2 159 Sx 175 Sy 233 N 255;

4-n-Octylbiphenyl-4'-carboxylic acid

ST00477

59662-49-6

C21H26O2



min. 98 % (HPLC);

mesophase behaviour: Cr 150 Sx 238 N 249 I;

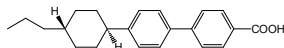
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYLBIPHENYL CARBOXYLIC ACIDS

4'-(4-trans-Propylcyclohexyl)biphenyl-4-carboxylic acid

ST05177

101241-31-0

C22H26O2



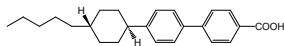
min. 97 % (HPLC);

4'-(4-trans-Pentylcyclohexyl)biphenyl-4-carboxylic acid

ST05176

68065-89-4

C24H30O2



min. 97 % (HPLC);

mesophase behaviour: Cr 278 Sx 346 I;

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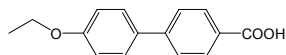
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKOXYBIPHENYL CARBOXYLIC ACIDS

4-n-Ethoxybiphenyl-4'-carboxylic acid

ST00464

729-18-0

C₁₅H₁₄O₃



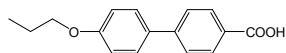
min. 98 % (HPLC);

4-n-Propyloxybiphenyl-4'-carboxylic acid

ST00465

59748-13-9

C₁₆H₁₆O₃



min. 98 % (HPLC);

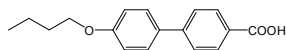
m. p.: 257-260°C;

4-n-Butyloxybiphenyl-4'-carboxylic acid

ST00466

59748-14-0

C₁₇H₁₈O₃



min. 98 % (HPLC);

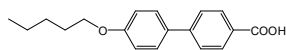
m. p.: 242-245°C;

4-n-Pentyloxybiphenyl-4'-carboxylic acid

ST00467

59748-15-1

C₁₈H₂₀O₃



min. 98 % (HPLC);

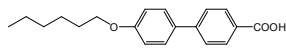
m. p.: 226-228°C;

4-n-Hexyloxybiphenyl-4'-carboxylic acid

ST00468

59748-16-2

C₁₉H₂₂O₃



min. 98 % (HPLC);

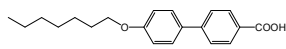
m. p.: 232-235°C;

4-n-Heptyloxybiphenyl-4'-carboxylic acid

ST00469

59748-17-3

C₂₀H₂₄O₃



min. 98 % (HPLC);

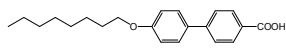
m. p.: 194-197°C;

4-n-Octyloxybiphenyl-4'-carboxylic acid

ST00470

59748-18-4

C₂₁H₂₆O₃



min. 98 % (HPLC);

m. p.: 181-184°C;

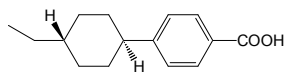
PRECURSORS FOR LIQUID CRYSTALS: 4-(4'-ALKYLCYCLOHEXYL)BENZOIC ACIDS

4-(trans-4-n-Ethylcyclohexyl)benzoic acid

ST02999

87592-41-4

C₁₅H₂₀O₂



min. 99 % (HPLC);

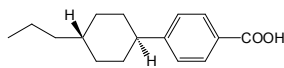
m. p.: 217-220°C;

4-(4-trans-n-Propylcyclohexyl)benzoic acid

ST02726

65355-29-5

C₁₆H₂₂O₂



min. 99 % (HPLC);

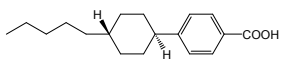
m. p.: 216-219°C;

trans-4-(4-n-Pentylcyclohexyl)benzoic acid

ST02762

65355-30-8

C₁₈H₂₆O₂



5PCA

min. 99.5 % (GC);

m. p.: 178-181°C;

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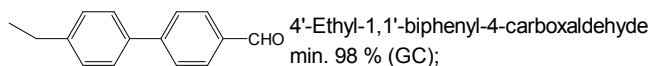
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYLBIPHENYL-4'-ALDEHYDES

4-(4-Ethylphenyl)benzaldehyde

ST02561

101002-44-2

C15H14O

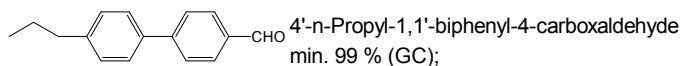


4-(4-n-Propylphenyl)benzaldehyde

ST03846

93972-05-5

C16H16O

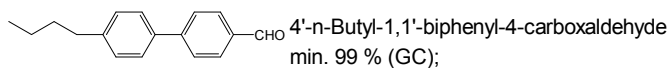


4-(4-n-Butylphenyl)benzaldehyde

ST03847

93972-06-6

C17H18O

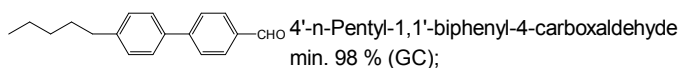


4-(4-n-Pentylphenyl)benzaldehyde

ST03848

56741-21-0

C18H20O



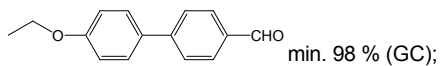
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKOXYBIPHENYL-4'-ALDEHYDES

4'-Ethoxybiphenyl-4-carbaldehyde

ST04584

251320-77-1

C₁₅H₁₄O₂

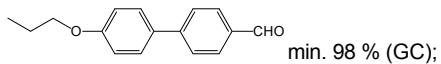


4'-Propoxybiphenyl-4-carbaldehyde

ST04585

1204036-33-8

C₁₆H₁₆O₂

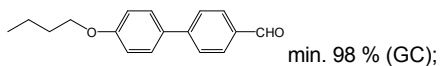


4'-Butoxybiphenyl-4-carbaldehyde

ST04586

75472-36-5

C₁₇H₁₈O₂



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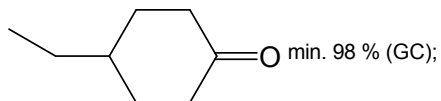
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYL-CYCLHEXANONES

4-Ethylcyclohexanone

ST00878

5441-51-0

C₈H₁₄O



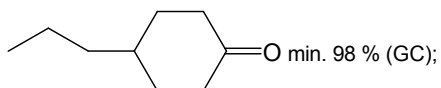
organic intermediate;

4-n-Propylcyclohexanone

ST00879

40649-36-3

C₉H₁₆O

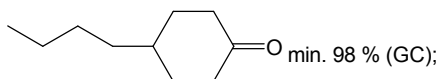


4-n-Butylcyclohexanone

ST03325

61203-82-5

C₁₀H₁₈O

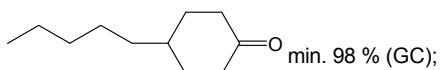


4-n-Pentylcyclohexanone

ST01233

61203-83-6

C₁₁H₂₀O



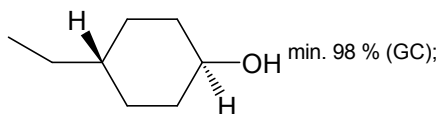
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYLCYCLOHEXANOLS

trans-4-Ethylcyclohexanol

ST03949

19781-62-5

C₈H₁₆O

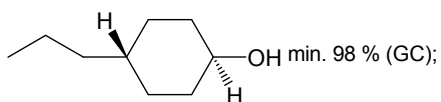


trans-4-n-Propylcyclohexanol

ST03950

77866-58-1

C₉H₁₈O

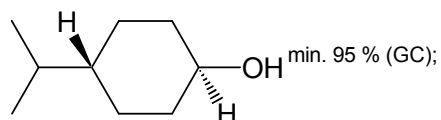


trans-4-iso-Propylcyclohexanol

ST04450

15890-36-5

C₉H₁₈O

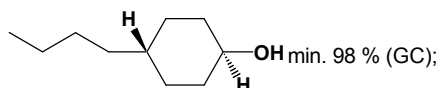


trans-4-n-Butylcyclohexanol

ST03590

67590-13-0

C₁₀H₂₀O

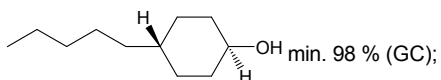


trans-4-n-Pentylcyclohexanol

ST03951

77866-59-2

C₁₁H₂₂O



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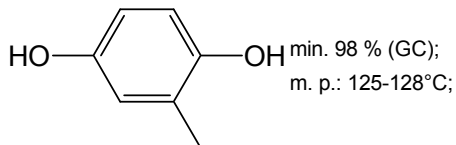
PRECURSORS FOR LIQUID CRYSTALS: HYDROQUINONES

Methylhydroquinone

ST04093

95-71-6

C₇H₈O₂

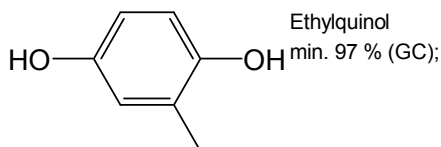


2-Ethylhydroquinone

ST03960

2349-70-4

C₈H₁₀O₂

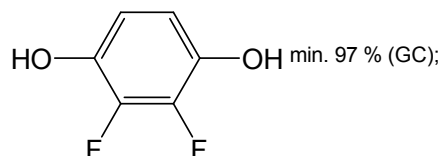


2,3-Difluorohydroquinone

ST01718

124728-90-1

C₆H₄F₂O₂

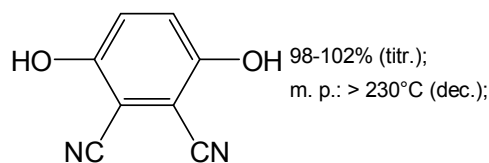


2,3-Dicyanohydroquinone

ST01341

4733-50-0

C₈H₄N₂O₂

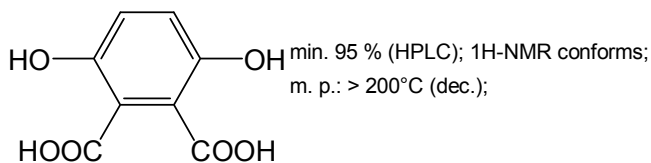


3,6-Dihydroxyphthalic acid

ST01386

3786-46-7

C₈H₆O₆



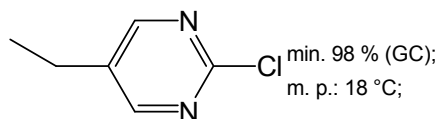
PRECURSORS FOR LIQUID CRYSTALS: 5-ALKYL-2-CHLORO-PYRIMIDINES

2-Chloro-5-ethylpyrimidine

ST03825

111196-81-7

C₆H₇ClN₂

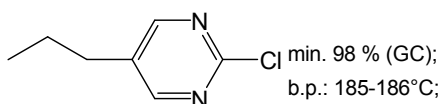


2-Chloro-5-n-propylpyrimidine

ST00633

219555-98-3

C₇H₉ClN₂

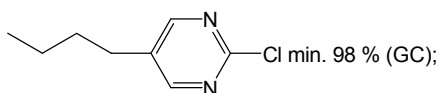


5-n-Butyl-2-chloropyrimidine

ST01335

847227-37-6

C₈H₁₁ClN₂

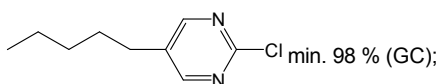


2-Chloro-5-n-pentylpyrimidine

ST01336

154466-62-3

C₉H₁₃ClN₂

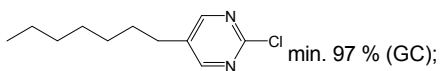


2-Chloro-5-n-heptylpyrimidine

ST01356

221641-56-1

C₁₁H₁₇ClN₂

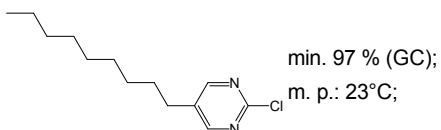


2-Chloro-5-n-nonylpyrimidine

ST00735

219581-06-3

C₁₃H₂₁ClN₂

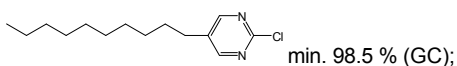


2-Chloro-5-n-decylpyrimidine

ST01066

170434-06-7

C₁₄H₂₃ClN₂



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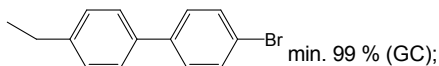
PRECURSORS FOR LIQUID CRYSTALS: 4-ALKYL-4'-BROMO-1,1'-BIPHENYLS

4-Bromo-4'-ethyl-1,1'-biphenyl

ST02214

58743-79-6

C₁₄H₁₃Br

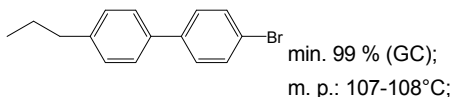


4-Bromo-4'-n-propyl-1,1'-biphenyl

ST02215

58743-81-0

C₁₅H₁₅Br

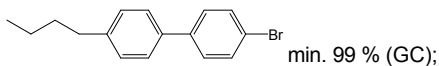


4-Bromo-4'-n-butyl-1,1'-biphenyl

ST02216

63619-54-5

C₁₆H₁₇Br

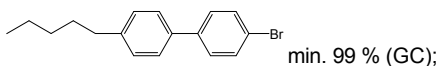


4-Bromo-4'-n-pentyl-1,1'-biphenyl

ST02217

63619-59-0

C₁₇H₁₉Br

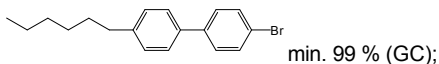


4-Bromo-4'-n-hexyl-1,1'-biphenyl

ST02218

63619-60-3

C₁₈H₂₁Br

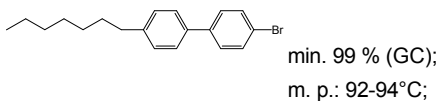


4-Bromo-4'-n-heptyl-1,1'-biphenyl

ST02219

58573-93-6

C₁₉H₂₃Br

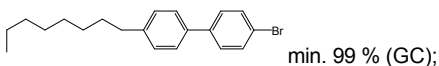


4-Bromo-4'-n-octyl-1,1'-biphenyl

ST02220

63619-61-4

C₂₀H₂₅Br



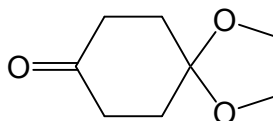
PRECURSORS FOR LIQUID CRYSTALS: ACETALS AND KETALS

1,4-Cyclohexanedione monoethylene ketal

ST01294

4746-97-8

C₈H₁₂O₃



1,4-Dioxaspiro[4,5]decan-8-one

min. 99 % (GC);

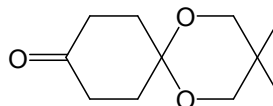
m. p.: 72-74°C; assay of water: max. 0.5 % (KF);

3,3-Dimethyl-1,5-dioxaspiro[5.5]undecan-9-one

ST02259

69225-59-8

C₁₁H₁₈O₃



1,4-Cyclohexanedione mononeopentyl ketal

min. 99 % (GC);

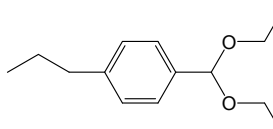
m. p.: 49-50°C;

4-n-Propylbenzaldehyde diethyl acetal

ST01128

89557-35-7

C₁₄H₂₂O₂



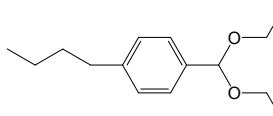
min. 97 % (GC);

4-n-Butylbenzaldehyde diethylacetale

ST01333

83803-80-9

C₁₅H₂₄O₂



1-Butyl-4-diethoxymethylbenzene

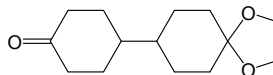
min. 95 % (GC);

1,1'-Bicyclohexane-4,4'-dione monoethylene ketal

ST01967

56309-94-5

C₁₄H₂₂O₃



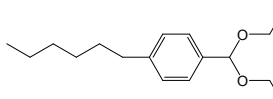
min. 99 % (GC);

4-n-Hexylbenzaldehyde diethyl acetal

ST01129

89511-01-3

C₁₇H₂₈O₂



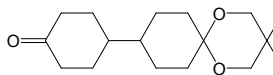
ca. 95 % (GC);

4-(3,3-Dimethyl-1,5-dioxaspiro[5,5]undec-9-yl)cyclohexanone

ST01042

221300-33-0

C₁₇H₂₈O₃



4,4'-Dicyclohexanon mononeopentylketal

min. 97 % (GC);

m. p.: 81-86°C;

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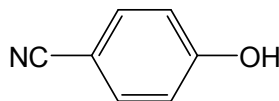
PRECURSORS FOR LIQUID CRYSTALS: MISCELLANEOUS

4-Hydroxybenzonitrile

ST00632

767-00-0

C7H5NO



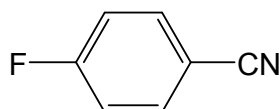
4-Cyanophenol
min. 99 % (GC);
m. p.: 109-114°C;

4-Fluorobenzonitrile

ST00912

1194-02-1

C7H4FN



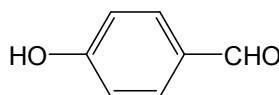
min. 99 % (GC); assay of water: max. 0.1 % (KF);
m. p.: 34-37°C;

4-Hydroxybenzaldehyde

ST01172

123-08-0

C7H6O2



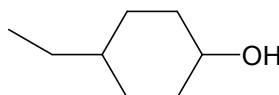
min. 99 % (GC);
m. p.: 115-118°C;

4-Ethylcyclohexanol, cis/trans-mixture

ST02117

4534-74-1

C8H16O



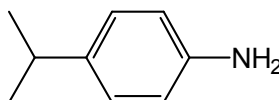
min. 99 % (GC);

4-Isopropylaniline

ST06302

99-88-7

C9H13N



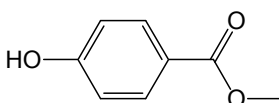
97% (GC)

Methyl 4-hydroxybenzoate

ST02078

99-76-3

C8H8O3



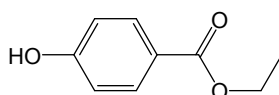
4-Hydroxybenzoic acid methyl ester
min. 99 % (GC); 98-102 % (titr.);
m. p.: 125-128°C;
organic intermediate;

Ethyl 4-hydroxybenzoate

ST02304

120-47-8

C9H10O3



4-Hydroxybenzoic acid ethyl ester
min. 98 % (GC); 98-102 % (titr.);
m. p.: 115-118°C;

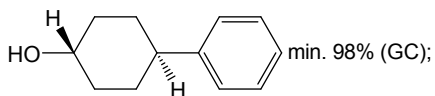
PRECURSORS FOR LIQUID CRYSTALS: MISCELLANEOUS

trans-4-Phenylcyclohexanol

ST03484

5769-13-1

C₁₂H₁₆O

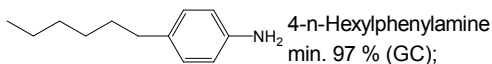


4-n-Hexylaniline

ST01515

33228-45-4

C₁₂H₁₉N

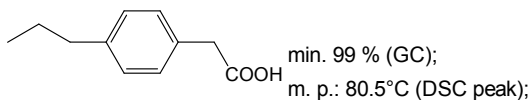


(4-n-Propylphenyl)acetic acid

ST03875

26114-12-5

C₁₁H₁₄O₂

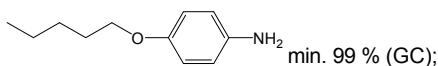


4-Pentyloxyaniline

ST01057

39905-50-5

C₁₁H₁₇NO

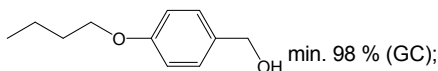


4-n-Butyloxybenzyl alcohol

ST03832

6214-45-5

C₁₁H₁₆O₂

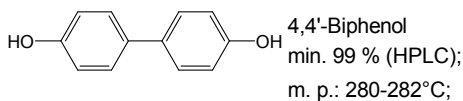


4,4'-Dihydroxybiphenyl

ST00927

92-88-6

C₁₂H₁₀O₂

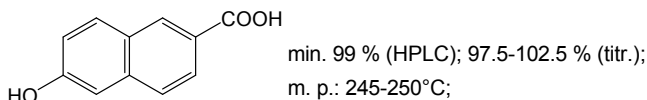


6-Hydroxy-2-naphthoic acid

ST00887

16712-64-4

C₁₁H₈O₃



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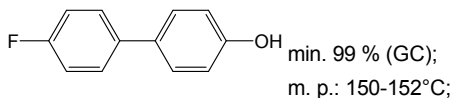
PRECURSORS FOR LIQUID CRYSTALS: MISCELLANEOUS

4-Fluoro-4'-hydroxybiphenyl

ST01859

324-94-7

C₁₂H₉FO

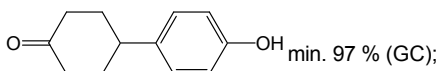


4-(4'-Hydroxyphenyl)cyclohexanone

ST01123

105640-07-1

C₁₂H₁₄O₂

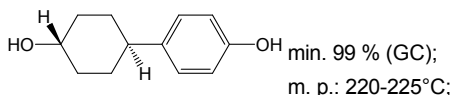


4-(trans-4'-Hydroxycyclohexyl)phenol

ST00960

65132-43-6

C₁₂H₁₆O₂

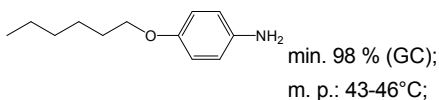


4-n-Hexyloxyaniline

ST02119

39905-57-2

C₁₂H₁₉NO

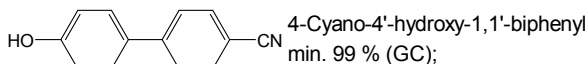


4-(4'-Hydroxyphenyl)benzonitrile

ST01100

19812-93-2

C₁₃H₉NO

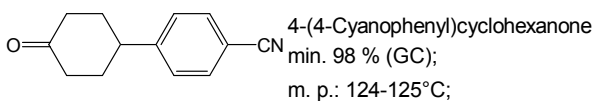


4-(4-Oxo-cyclohexyl)benzonitrile

ST03872

73204-07-6

C₁₃H₁₃NO

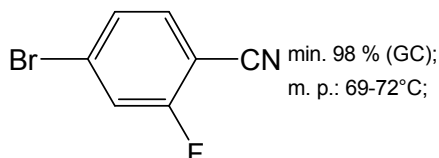


4-Bromo-2-fluorobenzonitril

ST02659

105942-08-3

C₇H₃BrFN



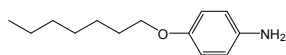
PRECURSORS FOR LIQUID CRYSTALS: MISCELLANEOUS

4-n-Heptyloxyaniline

ST03338

39905-44-7

C₁₃H₂₁NO



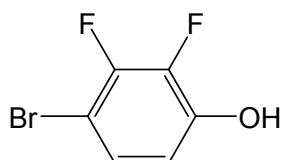
min. 98 % (GC);

4-Bromo-2,3-difluorophenol

ST03464

144292-32-0

C₆H₃BrF₂O



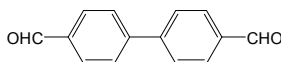
98-102 % (titr.);

Biphenyl-4,4'-dicarboxaldehyde

ST00973

66-98-8

C₁₄H₁₀O₂



4,4'-Diformylbiphenyl

min. 97 % (GC);

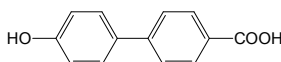
m. p.: 144-146°C;

4-Hydroxy-4'-biphenylcarboxylic acid

ST00831

58574-03-1

C₁₃H₁₀O₃



min. 98 % (HPLC); 98.5-101.5 % (titr.);

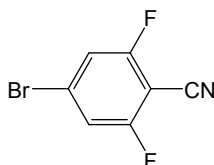
m. p.: 296-299°C;

4-Bromo-2,6-difluorobenzonitrile

ST01661

123843-67-4

C₇H₂BrF₂N



min. 98.5 (GC);

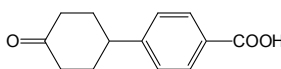
m. p.: 78-81°C;

4-(4-Oxocyclohexyl)benzoic acid

ST05966

137465-01-1

C₁₃H₁₄O₃



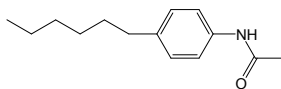
min. 98 % (HPLC);

N-(4-n-Hexylphenyl)acetamide

ST00811

20330-59-0

C₁₄H₂₁NO



4'-n-Hexylacetanilide

min. 98 % (GC);

m. p.: 89-91°C;

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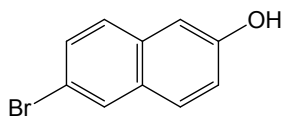
PRECURSORS FOR LIQUID CRYSTALS: MISCELLANEOUS

6-Bromo-2-naphthol

ST01224

15231-91-1

C₁₀H₇BrO



min. 98 % (HPLC);

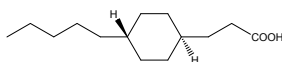
m.p.: 125-130°C;

3-(trans-4-n-Pentylcyclohexyl)propionic acid

ST02921

86446-58-4

C₁₄H₂₆O₂



min. 97 % (GC); 97-103 (titr.);

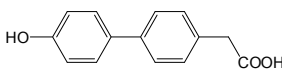
m. p.: 33-35°C;

4-Hydroxybiphenyl-4'-acetic acid

ST04258

51350-23-3

C₁₄H₁₂O₃



p-Hydroxybiphenylacetic acid

min. 97 % (HPLC);

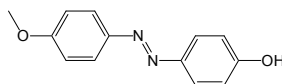
m. p.: 244-245°C;

E-4-(4-Methoxyphenylazo)phenol

ST05889

2496-25-5

C₁₃H₁₂N₂O₂



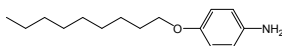
min. 97 % (HPLC);

4-n-Nonyloxyaniline

ST03336

50262-67-4

C₁₅H₂₅NO



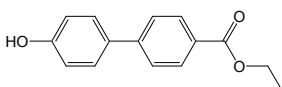
min. 98 % (GC);

4'-Hydroxy-4-biphenyl-4-carboxylic acid ethyl ester

ST04189

50670-76-3

C₁₅H₁₄O₃



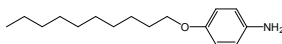
min. 97 % (GC);

4-n-Decyloxyaniline

ST03337

39905-47-0

C₁₆H₂₇NO



min. 98 % (GC);

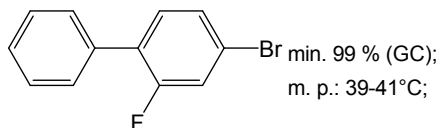
PRECURSORS FOR LIQUID CRYSTALS: MISCELLANEOUS

4-Bromo-2-fluorobiphenyl

ST01221

41604-19-7

C₁₂H₈BrF

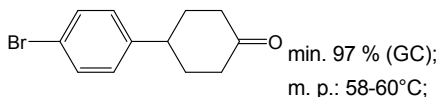


4-(4-Bromophenyl)cyclohexanone

ST03367

84892-43-3

C₁₂H₁₃BrO

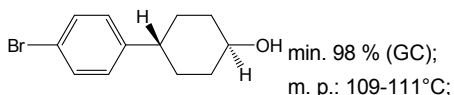


trans-4-(4-Bromophenyl)cyclohexanol

ST03368

84892-42-2

C₁₂H₁₅BrO

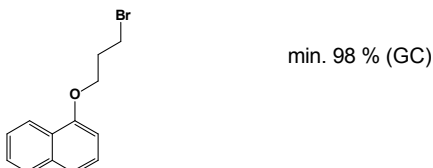


1-(3-Bromopropoxy)naphthalene

ST06310

3351-50-6

C₁₃H₁₃BrO

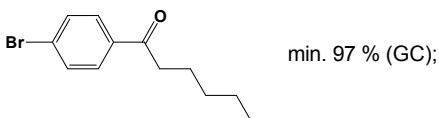


1-(4-Bromophenyl)heptan-1-one

ST03742

99474-02-9

C₁₃H₁₇BrO

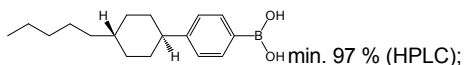


4-(trans-4-n-pentylcyclohexyl)phenylboronic acid

ST06129

136321-96-5

C₁₇H₂₇BO₂

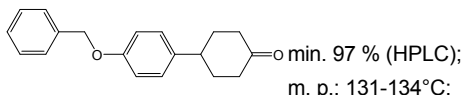


4-(4'-Benzyloxy-phenyl)cyclohexanone

ST01251

82240-03-7

C₁₉H₂₀O₂



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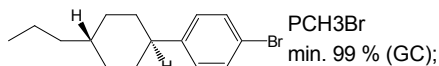
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ST04120

86579-53-5

C₁₅H₂₁Br

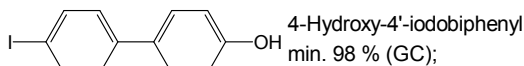


4-(4'-Iodophenyl)phenol

ST01232

29558-78-9

C₁₂H₉IO

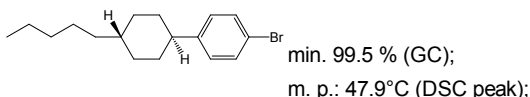


1-Bromo-4-(trans-4-n-pentylcyclohexyl)benzene

ST03902

79832-89-6

C₁₇H₂₅Br

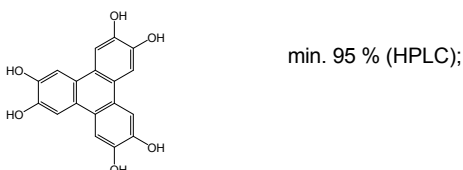


2,3,6,7,10,11-Hexahydroxytriphenylene

ST04276

4877-80-9

C₁₈H₁₂O₆

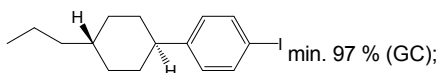


1-(trans-4-n-Propylcyclohexyl)-4-iodobenzene

ST03444

111158-11-3

C₁₅H₂₁I

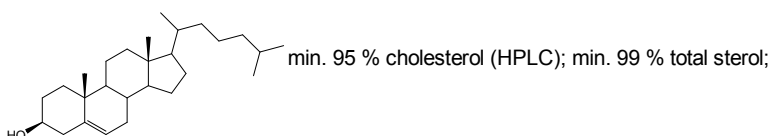


Cholesterol

ST01146

57-88-5

C₂₇H₄₆O



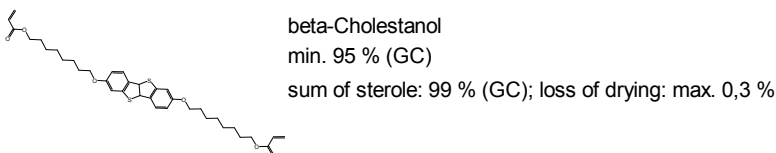
5α-Cholestan-3β-ol

ST06411

80-97-7

C₂₇H₄₈O

NEW



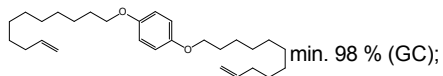
PRECURSORS FOR LIQUID CRYSTALS: MISCELLANEOUS

1,4-Bis(undec-10-enyloxy)benzene

ST05892

138551-10-7

C₂₈H₄₆O₂

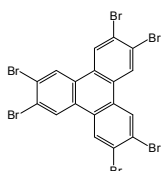


2,3,6,7,10,11-Hexabromotriphenylene

ST06041

82632-80-2

C₁₈H₆Br₆

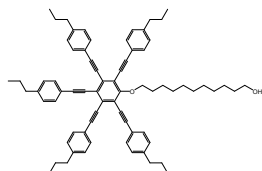


11-[Pentakis-(4-propylphenylethynyl)phenoxy]undecan-1-ol

ST01605

671197-45-8

C₇₂H₇₈O₂



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meso-Tetraphenylporphyrin	37
Metanil yellow	1
Methacrylic acid 2-(methanesulfonyloxy)ethyl ester	124
Methyl 10-(2,5-dioxo-2,5-dihydro-1H-pyrrol-1-yl)-9-methoxy-3-oxo-3H-benzo[f]chromene-2-carboxylate	6
Methyl 4-hydroxybenzoate	178
Methylhydroquinone	174
Morin	31
N-(2-Chloro-3-phenylimino-1-propenyl)aniline hydrochloride	45
N-(4-Biphenyl)-N-phenylamine	70
N-(4-Butyl)-N,N-bis[4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]aniline	73
N-(4-Ethoxybenzylidene)-4-butylaniline	88
N-(4-Ethylphenyl)-2-nitroaniline	70
N-(4-n-Hexylphenyl)acetamide	181
N-(9,9-dimethyl-9H-fluoren-2-yl)-9,9-dimethyl-7-phenyl-9H-fluoren-2-amine	61
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N,N,N',N'-Tetrakis(4-methoxyphenyl)benzidine	52
N,N,N',N'-Tetrakis(4-methylphenyl)-benzidine sublimed	51
N,N,N',N'-Tetrakis(biphenyl-4-yl)benzidine sublimed	53
N,N,N',N'-Tetrakis(naphth-2-yl)benzidine sublimed	52
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N-Benzyl-[4-(aza-15-crown-5)-phenylethylamino]-1,8-naphthalimide	27
n-Butylbenzene	138
n-Decanoic acid 4-(5-n-octylpyrimidin-2-yl)phenyl ester	95
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n-Heptylbenzene	138
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n-Octylbenzene	138
n-Pentylbenzene	138
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N-Phenyl-2-naphthylamine	69
N-Phenyl-m-toluidine	69
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Sodium 4-(2-(2-(2-chloro-3-(2-(1,1-dimethyl-3-(4-sulfonatobutyl)-1H-benzo[e]indol-2(3H)-ylidene)ethylidene)cyclohex-1-enyl)vinyl)-1,1-dimethyl-1H-benzo[e]indolium-3-yl)butane-1-sulfonate	13
Sodium 4-(2-(2-(2-chloro-3-(2-(1,1-dimethyl-3-(4-sulfonatobutyl)-1H-benzo[e]indol-2(3H)-ylidene)ethylidene)cyclopent-1-enyl)vinyl)-1,1-dimethyl-1H-benzo[e]indolium-3-yl)butane-1-sulfonate	13
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ST03325	172	ST03704	29	ST03902	184	ST04097	131	ST04178	128
ST03332	72	ST03709	50	ST03905	80	ST04100	35	ST04180	119
ST03333	92	ST03721	63	ST03909	48	ST04120	184	ST04181	121
ST03334	93	ST03737	92	ST03917	36	ST04127	59	ST04185	5
ST03335	93	ST03742	183	ST03918	36	ST04128	60	ST04189	182
ST03336	182	ST03759	2	ST03919	36	ST04135	129	ST04217	75
ST03337	182	ST03762	41	ST03926	86	ST04141	65	ST04218	69
ST03338	181	ST03776	120	ST03927	86	ST04142	59	ST04227	114
ST03345	79	ST03780	127	ST03929	86	ST04143	62	ST04228	114
ST03358	9	ST03808	128	ST03930	86	ST04144	60	ST04229	114
ST03367	183	ST03819	84	ST03931	131	ST04145	61	ST04230	114
ST03368	183	ST03825	175	ST03932	131	ST04146	62	ST04235	4
ST03405	17	ST03831	24	ST03933	131	ST04147	59	ST04242	5
ST03433	161	ST03832	179	ST03934	132	ST04148	58	ST04255	130
ST03444	184	ST03833	55	ST03935	132	ST04149	58	ST04258	182
ST03456	125	ST03839	84	ST03936	132	ST04150	64	ST04263	46
ST03457	118	ST03846	170	ST03937	80	ST04151	65	ST04264	47
ST03464	181	ST03847	170	ST03949	173	ST04152	64	ST04265	14
ST03469	81	ST03848	170	ST03950	173	ST04153	64	ST04275	46
ST03470	25	ST03851	140	ST03951	173	ST04154	65	ST04276	184
ST03474	117	ST03852	140	ST03952	119	ST04155	63	ST04277	59
ST03484	179	ST03853	140	ST03954	25	ST04156	63	ST04287	116
ST03494	43	ST03854	140	ST03957	15	ST04157	65	ST04291	3
ST03590	173	ST03855	140	ST03960	174	ST04158	67	ST04292	3
ST03594	74	ST03856	140	ST03961	44	ST04159	68	ST04293	3
ST03595	5	ST03857	140	ST03984	38	ST04160	66	ST04294	146
ST03598	28	ST03858	141	ST03986	43	ST04161	67	ST04299	31
ST03599	165	ST03859	141	ST03989	24	ST04162	71	ST04305	35
ST03604	126	ST03860	141	ST03990	24	ST04163	72	ST04307	80
ST03606	125	ST03861	141	ST03992	101	ST04164	71	ST04309	35

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ST04310	112	ST04478	104	ST04650	144	ST05502	67	ST05914	76
ST04312	103	ST04479	104	ST04654	118	ST05528	82	ST05915	78
ST04313	124	ST04484	23	ST04664	72	ST05552	65	ST05916	79
ST04314	124	ST04486	73	ST04666	122	ST05590	63	ST05917	72
ST04315	120	ST04487	72	ST04667	126	ST05618	63	ST05918	80
ST04321	121	ST04489	112	ST04668	96	ST05619	67	ST05919	76
ST04327	124	ST04501	121	ST04669	98	ST05620	64	ST05920	76
ST04331	35	ST04516	34	ST04672	71	ST05698	65	ST05921	79
ST04332	114	ST04524	111	ST04674	122	ST05699	65	ST05922	79
ST04333	115	ST04525	111	ST04685	75	ST05705	81	ST05923	77
ST04342	35	ST04527	78	ST04690	15	ST05711	78	ST05924	82
ST04351	1	ST04530	62	ST04691	14	ST05716	82	ST05925	74
ST04353	86	ST04532	62	ST04693	55	ST05836	83	ST05926	74
ST04354	126	ST04534	62	ST04694	48	ST05837	83	ST05927	82
ST04361	15	ST04535	5	ST04695	48	ST05838	82	ST05928	75
ST04362	81	ST04537	144	ST04696	48	ST05852	72	ST05929	77
ST04369	62	ST04546	56	ST04697	48	ST05861	135	ST05930	57
ST04375	27	ST04554	130	ST04699	20	ST05864	58	ST05931	77
ST04388	7	ST04556	78	ST04717	118	ST05865	123	ST05932	77
ST04402	45	ST04559	27	ST04718	119	ST05866	123	ST05933	75
ST04404	1	ST04570	117	ST04891	105	ST05867	118	ST05934	76
ST04414	145	ST04572	126	ST05005	98	ST05874	118	ST05936	128
ST04415	35	ST04573	86	ST05066	98	ST05882	159	ST05938	64
ST04416	35	ST04574	85	ST05176	167	ST05883	159	ST05944	90
ST04421	139	ST04575	61	ST05177	167	ST05884	159	ST05945	93
ST04427	63	ST04577	67	ST05178	27	ST05885	97	ST05946	97
ST04433	45	ST04578	77	ST05190	52	ST05887	117	ST05947	136
ST04450	173	ST04579	79	ST05254	60	ST05888	120	ST05953	121
ST04463	126	ST04580	81	ST05315	57	ST05889	182	ST05954	91
ST04465	113	ST04583	76	ST05360	14	ST05891	55	ST05955	92
ST04466	111	ST04584	171	ST05371	158	ST05892	185	ST05956	92
ST04467	113	ST04585	171	ST05375	61	ST05893	93	ST05957	129
ST04468	111	ST04586	171	ST05469	60	ST05894	52	ST05958	126
ST04469	111	ST04587	122	ST05476	59	ST05902	27	ST05962	60
ST04472	85	ST04594	62	ST05487	58	ST05905	127	ST05966	181
ST04473	87	ST04595	61	ST05488	61	ST05908	30	ST05967	30
ST04474	104	ST04623	104	ST05490	60	ST05910	74	ST05968	32
ST04475	104	ST04628	76	ST05492	57	ST05911	78	ST05972	76
ST04476	104	ST04629	78	ST05498	58	ST05912	78	ST05985	82
ST04477	104	ST04645	22	ST05501	67	ST05913	75	ST05999	129

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ST06000	130	ST06152	123	ST06383	112
ST06005	47	ST06153	123	ST06393	48
ST06007	73	ST06164	128	ST06405	6
ST06010	28	ST06188	29	ST06409	115
ST06012	49	ST06194	161	ST06410	121
ST06013	119	ST06196	161	ST06411	184
ST06014	111	ST06204	115	ST06412	36
ST06015	112	ST06226	37	ST06421	56
ST06016	120	ST06228	115	ST06423	142
ST06022	162	ST06229	97	ST06425	19
ST06023	162	ST06237	149	ST06429	125
ST06024	162	ST06238	42	ST06430	130
ST06025	162	ST06241	116	ST06433	74
ST06028	47	ST06242	116		
ST06030	47	ST06247S	52		
ST06039	31	ST06248S	52		
ST06041	185	ST06251	122		
ST06044	99	ST06252	106		
ST06045	99	ST06261	12		
ST06064	118	ST06272	68		
ST06065	117	ST06273	67		
ST06080	120	ST06275	162		
ST06081	93	ST06287	122		
ST06082	94	ST06290	115		
ST06083	95	ST06291	98		
ST06086	99	ST06294	8		
ST06087	95	ST06295	8		
ST06088	61	ST06299	91		
ST06090	120	ST06300	64		
ST06094	83	ST06301	63		
ST06100	81	ST06302	178		
ST06114	95	ST06310	183		
ST06115	119	ST06323	38		
ST06121	139	ST06324	38		
ST06126	117	ST06335	126		
ST06129	183	ST06341	70		
ST06132	122	ST06347	125		
ST06133	114	ST06355	84		
ST06136	103	ST06370	132		
ST06137	103	ST06376	114		

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C22H14BrN	67	C8H5Br	74	C9H13BO2	140	C10H14	138
C22H14BrN	63	C8H6ClNO	39	C9H13BO3	141	C10H14O	148
C24H16BrN	64	C8H6ClNS	41	C9H13ClN2	175	C10H14O2	150
C35H37NO6	119	C8H6N2O2S	41	C9H13N	178	C10H14O2	48
C24H16O7	14	C8H6N2O3	40	C9H16O	172	C10H15BO2	140
C3H7ClO	130	C8H6N2O3	40	C9H16O2	135	C10H15BO3	141
C4H7Br	127	C8H6O6	174	C9H17Br	128	C10H18O	172
C5H2O5	39	C8H7NS	39	C9H18Br2	130	C10H18O2	135
C46H58O10	122	C8H8O3	178	C9H18O	173	C10H19Br	128
C5H5NO3S2	41	C8H9Br	145	C9H18O	173	C10H20O	173
C5H11BrO	127	C8H9BrO	147	C9H19BrO	129	C10H21BrO	129
C5O5Na2	41	C8H10O2	174	CxHyOzNw	116	C11H7KN2O3S	31
C6H3BrF2O	181	C8H10O2	150	CxHyOzNw	116	C11H8N2O2	86
C6H4F2O2	174	C8H11BO2	140	C10H6Br2	78	C11H8N2O2	86
C6H6O2S	74	C8H11BO3	141	C10H6Br2N2	79	C11H8N2S	42
C6H7ClN2	175	C8H11ClN2	175	C10H7Br	74	C11H8O3	179
C6H10O5S	124	C8H12O3	177	C10H7BrO	182	C11H9N	39
C6H11Br	127	C8H14O	172	C10H7I	76	C11H10N2	85
C6H11ClO2	127	C8H15Br	128	C10H8N2O	40	C11H10N2	85
C6H12BrCl	128	C8H16O	178	C10H8O3	2	C11H10O4	2
C6H13BrO	127	C8H16O	173	C10H9NO2	2	C11H12	144
C6H13ClO	127	C8H17BrO	128	C10H10	144	C11H12O2	159
C6H14O2	133	C8H18O2	133	C10H10Cl2N2	44	C11H12O3	162
C7H2BrF2N	181	C9H6N2OS	41	C10H10N2O	29	C11H13ClO	154
C7H3BrFN	180	C9H9ClO	154	C10H10O2	159	C11H13ClO2	156
C7H3F2NO	148	C9H9ClO2	156	C10H10O3	162	C11H13N	39
C7H3F2NO	148	C9H9N	152	C10H11ClO	154	C11H13N	152
C7H4FN	178	C9H9NO	153	C10H11ClO2	156	C11H13NO	153
C7H4FNO	148	C9H9NOS	40	C10H11N	152	C11H14O	163
C7H4FNO	148	C9H9NOSe	43	C10H11NO	39	C11H14O	142
C7H5NO	178	C9H9NS	39	C10H11NO	153	C11H14O	142
C7H6F2O2	150	C9H10O2	157	C10H11NS	40	C11H14O2	164
C7H6O2	178	C9H10O2	164	C10H12O	163	C11H14O2	157
C7H8O2	174	C9H10O3	178	C10H12O	142	C11H14O2	179
C7H8O2	150	C9H10O3	160	C10H12O2	164	C11H14O3	160
C7H9ClN2	175	C9H11Br	145	C10H12O2	157	C11H15Br	145
C7H12O3	135	C9H11BrO	147	C10H12O3	160	C11H15BrO	147
C7H12O5S	124	C9H12	138	C10H12Se4	55	C11H15F6SSb	48
C7H16O2	133	C9H12O	148	C10H13Br	145	C11H15NO2	41
C8H4N2O2	174	C9H12O2	150	C10H13BrO	147	C11H16	138

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C11H16O	148	C12H11N	40	C13H8Br2	58	C13H19BrO	147
C11H16O2	179	C12H11NO4	2	C13H8O2	31	C13H20	138
C11H16O2	150	C12H12N2	85	C13H9Br	57	C13H20O	149
C11H17BO2	140	C12H12N2	85	C13H9I	58	C13H20O2	151
C11H17BO3	141	C12H12N2	85	C13H9NO	29	C13H21BO2	140
C11H17CIN2	175	C12H12N2	85	C13H9NO	180	C13H21BO3	141
C11H17NO	179	C12H12ON2S2	7	C13H10	57	C13H21CIN2	175
C11H18O3	177	C12H12O5	124	C13H10N2 x H	30	C13H21NO	181
C11H20O	172	C12H13BrO	183	C13H10O3	181	C13H26O2	134
C11H20O2	135	C12H14	144	C13H11N	64	C14H6Br2O2	81
C11H21Br	129	C12H14O2	180	C13H11NO	69	C14H8Br2	80
C11H22O	173	C12H14O4	124	C13H12F3NO2	3	C14H8Br2	80
C11H22O2	134	C12H15Br	145	C13H12N2	42	C14H8Br2	45
C11H23BrO	129	C12H15BrO	183	C13H12N2O2	182	C14H8S4	55
C12F4N4	55	C12H15ClO	154	C13H13BF2O3	30	C14H9Br	77
C12H5BrO3	45	C12H15ClO2	156	C13H13BrO	183	C14H9Br	77
C12H7Br2N	63	C12H15N	152	C13H13N	69	C14H9Br	77
C12H7Br2N	63	C12H15NO	153	C13H13N	69	C14H10Br2	80
C12H8BrN	65	C12H15NO	41	C13H13NO	180	C14H10O	42
C12H8BrF	183	C12H16O	142	C13H14O5	124	C14H10O2	181
C12H8BrN	65	C12H16O	163	C13H14O5	124	C14H11NO	42
C12H8BrN	65	C12H16O	179	C13H15NO	42	C14H11NO2	70
C12H8Br2	79	C12H16O2	164	C13H15NO2	43	C14H11NO6	4
C12H8N2O4	86	C12H16O2	180	C13H15NO2	2	C14H11NS	43
C12H8N2O4	87	C12H16O2	157	C13H16	144	C14H12BrN	65
C12H8N2O4	86	C12H16O3	160	C13H16O2	159	C14H12Br2	80
C12H8N2O4	86	C12H17Br	145	C13H16O2	158	C14H12O3	182
C12H9BO3	74	C12H17BrO	147	C13H16O3	162	C14H12O5	3
C12H9Br	76	C12H18	138	C13H16O3	162	C14H13Br	176
C12H9Br	75	C12H18O	149	C13H17BrO	183	C14H13N	64
C12H9Br	75	C12H18O2	150	C13H17ClO	154	C14H13NO	69
C12H9ClO4	3	C12H19BO2	140	C13H17ClO2	156	C14H13NO2	64
C12H9FO	180	C12H19BO3	141	C13H17N	152	C14H14F3NO2	4
C12H9IO	184	C21H19IN2S	8	C13H17NO	153	C14H14N2O	29
C12H9NO	40	C12H19N	179	C13H18O	163	C14H14N2O2	70
C12H9NS	42	C12H19NO	180	C13H18O	142	C14H15N	69
C12H10N2O2	128	C12H22O2	135	C13H18O2	157	C14H15N	69
C12H10N3O3P	56	C12H24O2	134	C13H18O2	164	C14H16IN3O2	34
C12H10O2	179	C13H6Br2O	58	C13H18O3	160	C14H16N4	1
C12H10O5	2	C13H7BrO	57	C13H18O4	129	C14H16O5	124
C12H11BF2O2	30	C13H8BrI	59	C13H19Br	145	C14H17F6FeP	48

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C14H17NO2	2	C15H13NO	64	C16H6Na4O12	34	C16H22O4	130
C14H17NO2	89	C15H14O	170	C16H7Na3O10	26	C16H23ClO	155
C14H18	144	C15H14O2	166	C16H7Na3O10	26	C16H23NO	44
C14H19ClO	154	C15H14O2	171	C16H8Br2	81	C16H24O	143
C14H19ClO2	156	C15H14O3	168	C16H8Br2	81	C16H24O	131
C14H19N	152	C15H14O3	182	C16H9Br	78	C16H24O2	158
C14H19NO	153	C15H14O5	3	C16H10	42	C16H24O2	165
C14H20O	142	C15H15Br	176	C16H10O	43	C16H26	139
C14H20O	163	C15H15ClN2	44	C16H11N3O2	1	C16H27NO	182
C14H20O2	164	C15H15N	43	C16H12FNO2	96	C16H28O	137
C14H20O2	157	C15H15NO	75	C16H13BrO	58	C16H28O2	136
C14H20O3	160	C15H15NO2	3	C16H13N	69	C16H30O	132
C14H21Br	146	C15H16ClN3S	31	C16H13N	70	C17H12	23
C14H21BrO	147	C15H17F6SSb	48	C16H13NO	104	C17H14FNO2	96
C14H21NO	181	C15H18N2	91	C16H13NS	44	C17H15NO	104
C14H22	138	C15H18O5	125	C16H13N3O	44	C17H15NO2	96
C14H22O	149	C15H19BrO3	126	C16H14	23	C17H16	109
C14H22O2	177	C15H19NO2	89	C16H14ClNO2	30	C17H16Br2	59
C14H22O2	151	C15H20O2	169	C16H14NO2F3	4	C17H16O	109
C14H22O3	177	C15H20O4	129	C16H15N	100	C17H17ClN2	45
C14H23BO2	140	C15H20O4	125	C16H15NO	102	C17H17N	100
C14H23BO3	141	C15H21Br	184	C16H16O	170	C17H17NO3	4
C14H23ClN2	175	C15H21ClO	154	C16H16O2	166	C17H18O	170
C14H24O2	136	C15H21ClO2	156	C16H16O2	171	C17H18O2	166
C14H26O2	135	C15H21I	184	C16H16O3	168	C17H18O2	171
C14H26O2	182	C15H21N	152	C16H17Br	79	C17H18O3	168
C14H28O2	134	C15H21NO	153	C16H17Br	176	C17H19Br	176
C15H10Br2	46	C15H22O	163	C16H17N	64	C17H19F6O2S	48
C15H10O7	31	C15H22O	142	C16H17NO2	3	C17H19NO3S2	46
C15H11BF2O3	31	C15H22O	131	C16H17N3	91	C17H20N4O3	1
C15H11NO	29	C15H22O2	164	C16H19KO6S	5	C17H22N2	91
C15H11NO	43	C15H22O2	158	C16H19N	70	C17H22N2O	91
C15H12	23	C15H22O3	160	C16H19NO4	4	C17H22O5	125
C15H12BrI	60	C15H23Br	146	C16H19N3	1	C17H22O5	125
C15H12Br2	59	C15H24	138	C16H20N2	91	C17H22O5	125
C15H13Br	57	C15H24O	149	C16H20O3	3	C17H22O5	125
C15H13Br	57	C15H24O2	177	C16H20O5	125	C17H23N	106
C15H13ClN2 x	45	C15H25NO	182	C16H21N	106	C17H23NO2	44
C15H13I	58	C15H26O	137	C16H21NO2	89	C17H25Br	184
C15H13N	100	C15H26O2	135	C16H22	144	C17H25ClO	155
C15H13NO	102	C15H28O	132	C16H22O2	169	C17H26O	131

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C17H26O2	158	C18H18O	109	C19H20O2	183	C20H19NO2	97
C17H26O2	165	C18H18O4	93	C19H21N	100	C20H19N3O2	5
C17H27BO2	183	C18H19N	100	C19H21NO	102	C20H20CIN	24
C17H28O	149	C18H19N	100	C19H22N2O2	117	C20H20CIN3O5	33
C17H28O2	177	C18H19NO	102	C19H22O2	166	C20H20Cl2N2	46
C17H28O3	177	C18H19NO4	4	C19H22O3	96	C20H21NO2	97
C17H30O	137	C18H19N3O4S	16	C19H22O3	168	C20H22O	110
C17H30O2	136	C18H20CIN	24	C19H23Br	176	C20H22O	109
C17H32O	132	C18H20O	170	C19H23CIN2O4	7	C20H23N	100
C18H6Br6	185	C18H20O2	166	C19H23NO	88	C20H23NO	102
C18H10	75	C18H20O3	168	C19H26F2O2	89	C20H24GeO4	48
C18H10Br2	81	C18H21Br	176	C19H26O5	126	C20H24O2	166
C18H10Br2	81	C18H21NO	88	C19H27FO2	89	C20H24O3	168
C18H10Br3N	67	C18H21N3O2	27	C19H30O	131	C20H24O4	97
C18H11Br	76	C18H22CIN3O5	33	C19H30O2	158	C20H25Br	176
C18H11Br2N	67	C18H22N2O2	130	C19H30O2	165	C20H25N	65
C18H12	54	C18H24N2O2	91	C19H30O3	161	C20H26CIN3O5	34
C18H12	43	C18H25N	106	C20H6I4Na2O5	15	C20H27NO4	5
C18H12BrN	63	C18H26O2	169	C20H10Cl2O3	14	C20H28F2O2	90
C18H12BrN	66	C18H26O3	162	C20H10Cl2O5	14	C20H28O5	126
C18H12Br2	81	C18H28O4	130	C20H10I2O5	15	C20H29FO2	89
C18H12Br3N	72	C18H30	139	C20H10O2	78	C20H29N	106
C18H12IN	63	C18H32O2	136	C20H13Br	45	C20H30O4	126
C18H12I3N	73	C18H33Br	132	C20H13N	65	C20H34	139
C18H12O6	184	C19H6Br8O5S	22	C20H13NO7	6	C21H12O7	14
C18H12S4	55	C19H12Cl2O5S	22	C20H14	23	C21H15NO	31
C18H13BO2	78	C19H13Br2N	67	C20H14N2O	30	C21H15NO3	72
C18H13N	64	C19H13N	30	C20H15Br	80	C21H15NO6	72
C18H14	23	C19H13N	44	C20H15CIN2O3	19	C21H16Br2O5	22
C18H14	23	C19H13NO	30	C20H15N	70	C21H17Br2N	67
C18H14BNO2	65	C19H14BrN	63	C20H15NO2	71	C21H19N	58
C18H14BrN	72	C19H15BN2O2	80	C20H16O2	24	C21H19NO	71
C18H14N3NaO	1	C18H13Br2N	72	C20H16S4	55	C21H20O	45
C18H15N	70	C19H15NO	71	C20H17NO	71	C21H21IN2O2	8
C18H15N	70	C19H17N3O	16	C20H17NO	71	C21H21IN2S2	9
C18H15NO3	117	C19H18BrNO2	5	C20H18	23	C21H21N3O2	5
C18H15N3	1	C19H19BrN2S	8	C20H18N2O2	31	C21H22CIN3O5	34
C18H16Br2	59	C19H19NO2	96	C20H18N2O2	4	C21H22N2O7S	7
C18H17NO	104	C19H20	109	C20H18N2O2S	5	C21H23F3	114
C18H17NO2	96	C19H20Br2	60	C20H18O	24	C21H23NO	104
C18H18	109	C19H20O	109	C20H19CIN4	32	C21H23NO2	97

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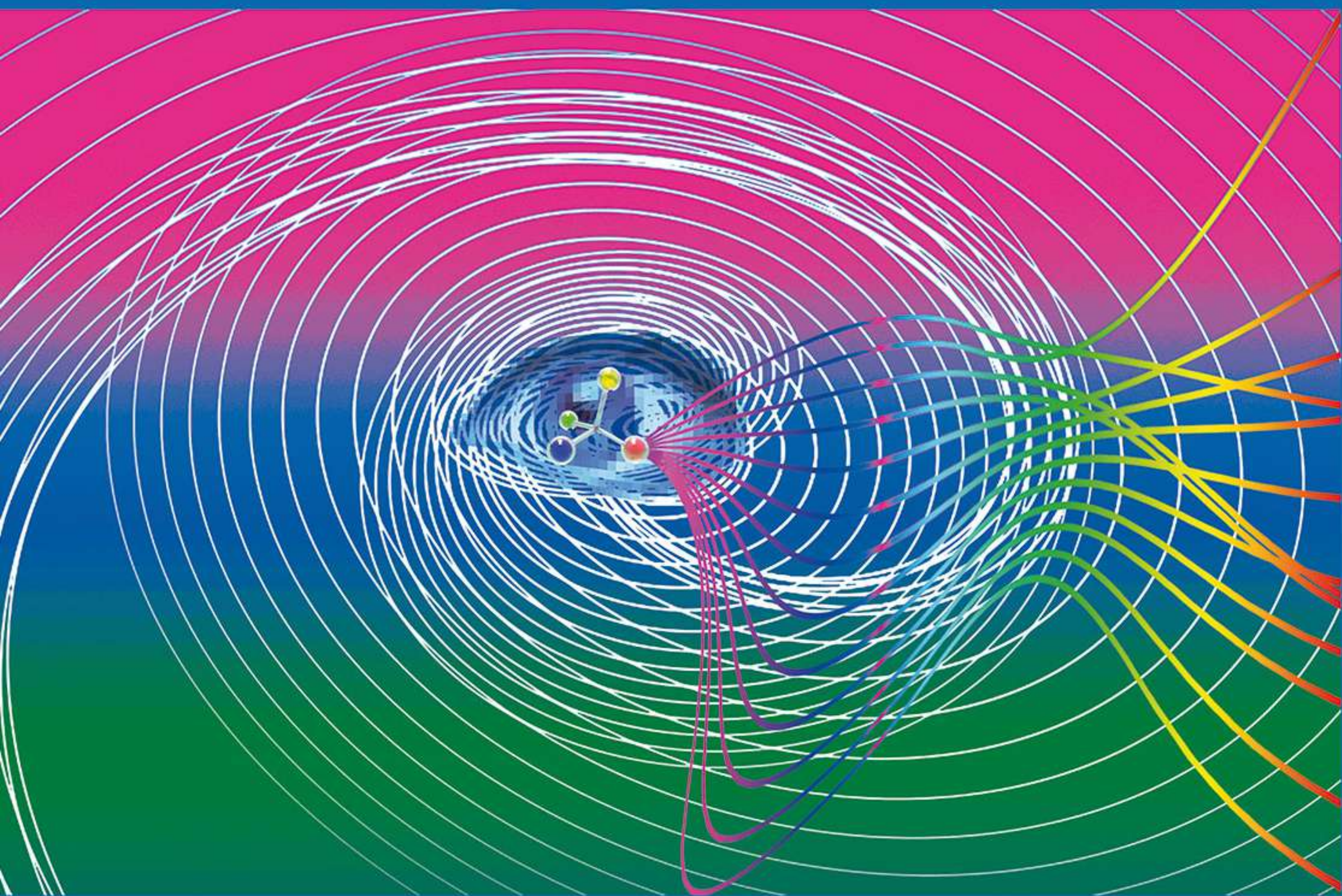
C21H24F2	114	C23H23CIN2S2	7	C24H30O2	167	C26H29CIN2O7	6
C21H24O	110	C23H23IN2	8	C24H31N	101	C26H36O3	98
C21H24O4	46	C23H23IN2O	8	C24H36N2O	93	C26H36O4	98
C21H24O6	46	C23H23IN2S	8	C24H36N2O	93	C26H36O4	98
C21H25Br	59	C23H23NO5	117	C24H42	139	C26H38F6IO2S	49
C21H25N	101	C23H25NO3	117	C25H14Br2	61	C26H40N2O	94
C21H25NO	102	C23H26O6	117	C25H16Br2	61	C26H40N2O	94
C21H26O2	166	C23H27CIN2O4	7	C25H16O9	14	C26H40N2O2	94
C21H26O3	168	C23H27NO	104	C25H17Br	60	C27H19NO	32
C21H26O4	97	C23H27F3	114	C25H17CIO5	17	C27H23N	59
C21H28N2	92	C23H28F2	114	C25H18O2	59	C27H26CIIN2S	11
C21H29F3	114	C23H29N	101	C25H19N	58	C27H26N2O5	19
C21H30N2O	92	C23H29NO	103	C25H21CIO7	17	C27H28N2O5	6
C21H30O2F2	90	C23H30Br2N2	62	C25H22N2O5	19	C27H29N3O	16
C21H30O5	126	C23H30O3	98	C25H25CIN2	7	C27H30N2NaO	20
C21H31FO2	89	C23H33F3	115	C25H25CIN2O7	20	C27H30N2O7S	20
C22H12CI4O7	15	C23H34N2O	92	C25H25IN2	8	C27H31CIN2O4	9
C22H14	54	C24H4CI4O6	47	C25H25IN2O2	9	C27H46O	184
C22H14N2O	32	C24H12EuF9O	28	C25H30Br4	62	C27H48O	184
C22H19Br2N	68	C24H14CI2O7	14	C25H31N3	22	C28H16Br2	47
C22H19CIN2O7	19	C24H15Br	46	C25H32Br2	61	C28H20F2O2	34
C22H19N	105	C24H15Br	78	C25H32N2O4	118	C28H20Na2O6	26
C22H19N	71	C24H15Br3	82	C25H33CIO3	115	C28H22	25
C22H23CIN4	33	C24H16BrN	67	C25H33N	101	C28H22O2	33
C22H23NO3	117	C24H16K2O6S	26	C25H33NO	103	C28H26	25
C22H24O6	126	C24H16N2	50	C25H36N2	93	C28H28CIIN2S	9
C22H25NO2	97	C24H18	24	C25H36N2O2	94	C28H28CI2N2O	9
C22H26	110	C24H19BF4O2	17	C25H36O6P2	62	C28H29CIN2O7	18
C22H26O2	167	C24H19CIO6	17	C25H38N2O	93	C28H31CIN2O3	19
C22H27N	101	C24H19N	45	C25H38N2O	93	C28H31CIN2O7	20
C22H27NO	102	C24H19N	71	C26H14	24	C28H31CIN2O3	19
C22H28KN3O5	16	C24H22CINO6	17	C26H16Br2O2	82	C28H32N2	88
C22H32N2O	92	C24H22N2O	32	C26H16O2	32	C28H36N2O	94
C22H32N2O	92	C24H22N2O	55	C26H18	25	C28H36N2O2	95
C22H32N2O2	93	C24H23CIN2O7	19	C26H18N2O	33	C28H36O6	118
C22H33BF2N2	33	C24H23N	105	C26H20N2	50	C28H42	115
C22H38	139	C24H27BrN2O	9	C26H20N2O2	33	C28H42N2O2	95
C23H17BF4O	17	C24H29N	101	C26H22	25	C28H44N2	86
C23H20O2	24	C19H19NO	104	C26H26N2O2S	6	C28H44N2O	94
C23H21N3O	16	C24H29NO	104	C26H27Br2N	68	C28H44N2O	94
C23H21N3O2	5	C24H30N2O4	117	C26H27CIN2O7	20	C28H46O2	185

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C29H16O7	14	C32H16CoN8	36	C36H24N2	55	C40H50O4	123
C29H21ClO5	17	C32H16CuN8	36	C36H26O2	34	C41H33BCl2F4	11
C29H22	46	C32H16N8OTi	36	C36H31N	61	C42H28	26
C29H24N6	1	C32H16N8OTi	36	C36H34BrN3O	10	C42H34Cl2O6	11
C29H25ClO7	18	C32H16N8OV	37	C36H44Br2O6	99	C42H60O6	112
C29H25N3O7	20	C32H16N8Zn	37	C36H44Br2O6	99	C43H47N2NaO	12
C29H26O4	60	C32H18N8	36	C36H44ClIN2	10	C43H64O5	119
C29H27NO5	118	C32H28N2O	103	C36H46N4	36	C43H76O2	108
C29H28	25	C32H30N2NiS4	28	C36H46O6S2	121	C44H30N4	37
C29H34Cl4N4O	11	C32H30O10	120	C36H50N2O6	121	C44H32N2	51
C29H36	115	C32H31ClN2O7	21	C36H53BrO2	63	C44H32N2	51
C29H40Br2	62	C32H36Cl2N2O	9	C36H62O2	107	C44H46BI	48
C29H41Br	60	C32H42N2O6	120	C37H27N	61	C44H52O10	121
C29H41Br	61	C32H44N2O	95	C37H35ClN2O3	10	C44H58O4	123
C29H41N3O8S	10	C33H20O9	15	C37H38N2O6S	10	C44H58O4	123
C29H42O4	98	C33H28F12N6	28	C37H41N3O6	27	C45H30N6	50
C29H44B2O4	61	C33H30N2	103	C37H44O8	119	C45H48ClN2Na	13
C29H44N2O2	95	C33H30N2O5	20	C37H56Br2	62	C45H80O2	108
C29H48O2	107	C33H31NO2	98	C37H64O2	107	C46H32N2O2	73
C30H19Br	82	C33H32O10	120	C38H24	25	C46H45ClN2O3	11
C30H19Br	82	C33H33ClN2O9	18	C38H26	26	C46H46N2	53
C30H20ClN	67	C33H36O8	120	C38H28N2O2	73	C46H50ClN2Na	13
C30H27N3	56	(C33H44Br2N2)	62	C38H32N2	51	C46H50N4 x C	22
C30H33NO2	98	C33H44O5	118	C38H36Br2N2	47	C46H50N4 x C	22
C30H35N3O	16	C33H48N2O4	119	C38H41ClN2O3	10	C46H52ClF6N2	12
C30H38N2O6	120	C34H20Br2	83	C38H42O10	121	C46H54	26
C30H38O6	120	C34H20Br2	83	C38H44ClK3N2	7	C47H47ClN2O3	12
C30H42O2S2	115	C34H22	25	C38H44ClNO8	18	C48H36CoN4O	38
C30H48N2O	95	C34H26BrNO2	47	C38H46ClN2Na	12	C48H36N2	52
C31H28ClN3O4	47	C34H28N2O2	72	C38H66O2	107	C48H38N4O4	37
C31H28N2O5	6	C34H29N	51	C39H34Cl3N3O	12	C48H40Br2N2	47
C31H30N2O7S	21	C34H34N4O4	36	C39H44N2O5	6	C48H62O10	122
C31H34O5	118	C34H39NO4	99	C39H44O10	121	C48H62O10	122
C31H40O5	118	C34H45B2NO4	73	C39H48O5	119	C48H72O6	112
C31H42N2	95	C34H58O2	107	C39H68O3	107	C49H64O10	122
C31H46O5	118	C35H25N	60	C40H28N2O4	73	C50H36N2	52
C32Cu1F16N8	37	C35H32N2O10	11	C40H32N2O2	73	C50H42Cl2O6	12
C32F16N8Zn	37	C35H34N3OIS	11	C40H32N2O2	73	C50H46O20	122
C32H8F8FeN8	38	C35H36ClN2Na	10	C40H36N2	51	C50H48O4	86
C32H12CuF4N	37	C35H36O10	121	C40H36N2O4	52	C50H50Cl2O6	12
C32H12F4FeN	38	C35H60O2	107	C40H50O4	123	C52H36N2	52

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C52H36N2	52	C10H6Br2	79	C24H30N2O2	120
C52H38N2	52	C10H6Br2N2	79	C25H34BrN	60
C52H87N3O14	27	C114H162	112	C28H19CIN2	82
C53H34N2	83	C11H6BrClO	78	C28H31N	105
C54H36N4	56	C11H7BrO	76	C19H18N2O4	27
C54H36N4	56	C11H8BrN	76	C30H22BrN	72
C54H38N2	56	C11H8BrN	76	C36H24CIN	65
C15H15N	57	C11H9Br	75	C38H42O10	121
C54H58Cl2O6	13	C12H13NO2	29	C7H13Br	127
C54H72O10	122	C12H7BrO	76	C7H3Br2N	77
C54H84O6	112	C12H7BrO	76	C7H5BrN2	74
C54H84S6	112	C12H7BrS	77	C8H5BrS	75
C54H44N2	52	C12H7BrS	77	C9H6BrN	74
C56H32N8O5V	38	C13H14O3	181	CxHyOzNw	116
(C56H80Br2N2)	62	C13H18O3	129	CxHyOzNw-344	35
C57H48N4	53	C13H8N2	64	CxHy-275	35
C57H48N4	53	C14H8Br2	80	CxHy-350	35
C60	84	C15H10CIN3	77	CxHy-375	35
C60H44N2	53	C15H12N2	75	CxHy-375	35
C60H84O12	113	C16H11Br	78	CxHy-377	35
C62H92N6F12	29	C16H11Br	78	CxHy-406	35
C64H48N2	53	C16H12	74		
C66H48N4	53	C16H24O3	161		
C66H48N4	53	C17H26O3	161		
C66H108O6	113	C18H12Br2	82		
C70	84	C18H13Br	79		
C70H84O6	85	C19H15Br	57		
C72H14O2	84	C19H18BrNO	32		
C72H78O2	185	C19H19NO	30		
C72H108O12	111	C19H19NO2	30		
C75H58N4	51	C19H24O5	126		
C76H60N2	51	C19H26N2O	91		
C78H98O21Si6	114	C20H28N2O	92		
C78H132O6	111	C20H36O2	136		
C84H78O9	111	C210H204O9	112		
C84H132O12	111	C21H14BrN3	82		
C90H144O12	111	C225H234O9	112		
C90H144O6	111	C22H25FO2	97		
C95H110O20Si	114	C22H32N2O	92		
C102H137Br	111	C23H21N3O2	93		
C10H12O4	128	C23H27NO2	90		



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