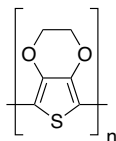


LT-EC015 | PEDOT

Poly(3,4-ethylenedioxythiophene)

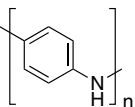
CAS No. : 126213-51-2

Formula : (C₆H₄O₂S)_n**LT-EC016** | PANI

Polyaniline (emeraldine base)

CAS No. : 25233-30-1

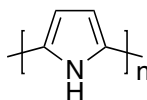
Grade : Mw > 10,000

Formula : (C₆H₅N)_n**LT-EC017** | PPY

Polypyrrole

CAS No. : 30604-81-0

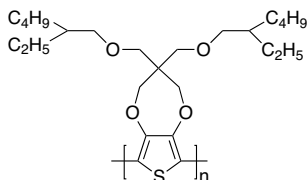
Grade : 10-50 S/cm (pressed pellet)

Formula : (C₄H₃N)_n**LT-EC019**

2H-Thieno[3,4-b][1,4]dioxepin, 3,3-bis[[(2-ethylhexyl)oxy)methyl]-3,4-dihydro

CAS No. : 634591-76-7

Grade : Mw > 50,000

Formula : (C₂₅H₄₂O₄S)_n**LT-EC021** | TBAP

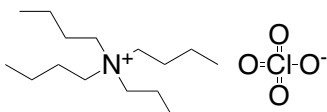
Tetrabutylammonium perchlorate

CAS No. : 1923-70-2

Grade : >98%

Formula : C₁₆H₃₆ClNO₄

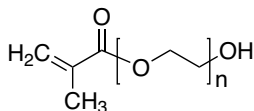
M.W. : 341.91 g/mole

**LT-EC022** | PEGMA

Poly(ethylene glycol) methacrylate

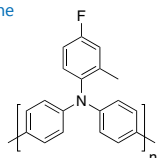
CAS No. : 25736-86-1

Grade : Mw~500

Formula : C₄H₅O(C₂H₄O)_nOH**LT-N1021** | 1F-PTAA

Poly(bis(4-phenyl)(4-fluoro-2-methylphenyl)amine

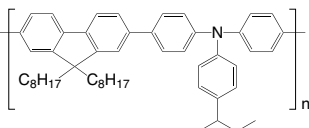
Grade : Mw > 10,000

Formula : (C₁₉H₁₄FN)_n**LT-N148** | TFB

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(4,4'-(N-(4-sec-butylphenyl)diphenylamine)]

CAS No. : 220797-16-0

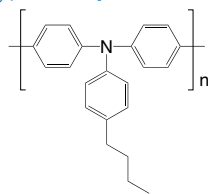
Grade : MW > 30,000 (GPC)

Formula : (C₅₁H₆₁N)_nUV : 389 nm (in CH₂Cl₂)PL : 443 nm (in CH₂Cl₂)**LT-N149** | Poly-TPD

Poly[N,N'-bis(4-butylphenyl)-N,N'-bis(phenyl)-benzidine]

CAS No. : 472960-35-3

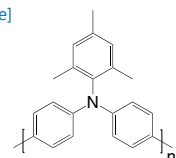
Grade : Mw = 20,000~200,000 (GPC)

Formula : (C₂₂H₂₁N)_nUV : 371, 388 nm (in CH₂Cl₂)PL : 424 nm (in CH₂Cl₂)**LT-N168** | PTAA

Poly[bis(4-phenyl)(2,4,6-trimethylphenyl)amine]

CAS No. : 1333317-99-9

Grade : Mw = 20,000~100,000 (GPC)

Formula : (C₂₁H₁₉N)_nUV : 388 nm (in CH₂Cl₂)PL : 424 nm (in CH₂Cl₂)**LT-N169**

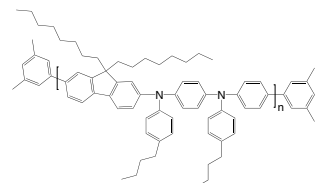
Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(N,N'-diphenyl)-N,N'-di(p-butylphenyl)-1,4-diaminobenzene] end capped with dimethylphenyl

Grade : Mw > 10,000 (GPC)

Formula : C₁₆H₁₈(C₆₇H₇₈N₂)_n

UV : 380 nm (in THF)

PL : 494 nm (in THF)

**LT-N170** | BFB

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-alt-(N,N'-bis(4-butylphenyl)-benzidine-N,N'-{1,4-diphenylene})]

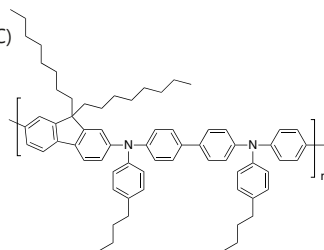
CAS No. : 223569-32-2

Grade : Mw > 10,000 (GPC)

Formula : (C₇₃H₈₂N₂)_n

UV : 380 nm (in THF)

PL : 435 nm (in THF)

**LT-N171** | PFHB

Poly[(9,9-dihexylfluorenyl-2,7-diyl)-alt-(N,N'-bis(p-butylphenyl)-1,4-diaminophenylene)]

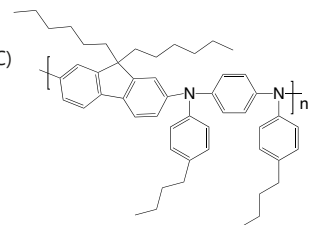
CAS No. : 870517-32-1

Grade : Mw > 10,000 (GPC)

Formula : (C₅₁H₆₂N₂)_n

UV : 398 nm (in THF)

PL : 425 nm (in THF)

**LT-N172**

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-alt-(N,N'-bis(p-butylphenyl)-1,1'-biphenylene-4,4'-diamine)]

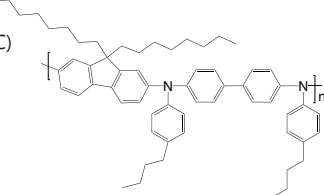
CAS No. : 1115424-53-7

Grade : Mw > 10,000 (GPC)

Formula : (C₆₁H₇₄N₂)_n

UV : 397 nm (in THF)

PL : 420 nm (in THF)



LT-N174

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(4,4'-(N-(p-butylphenyl)) diphenylamine)]

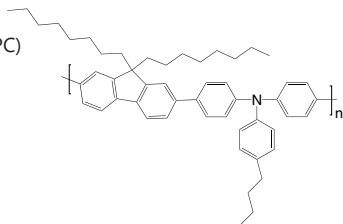
CAS No. : 223569-31-1

Grade : Mw >30,000 (GPC)

Formula : (C₅₁H₆₁N)_n

UV : 385 nm (in THF)

PL : 434 nm (in THF)



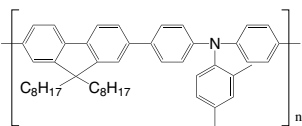
LT-N188 PF8-TAA

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(4,4'-(N-(2,4-dimethylphenyl)) diphenylamine)]

CAS No. : 1178569-78-2

Grade : Mw = 20,000~50,000

Formula : (C₄₉H₅₇N)_n

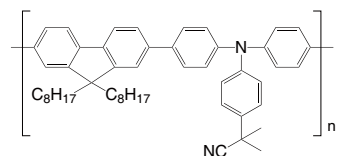


LT-N189 iPrCN / CNPr-TFB

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(4,4'-(N-(diphenylamine))-(2-cyanoisopropylphenyl))]

Grade : Mw = 10,000~100,000 (GPC)

Formula : (C₅₁H₅₈N₂)_n



LT-S909 P3HT

Poly(3-hexylthiophene-2,5-diyl)

CAS No. : 110134-47-9 / 104934-50-1

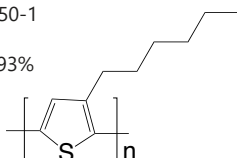
Grade : Mw >45,000 (GPC),

Electronic Grade : Regioregular >93%

Formula : (C₁₀H₁₄S)_n

UV : 445 nm (in THF)

PL : 564 nm (in THF)



LT-PS001 PEDOT:PSS

Poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate)

Specification

CAS No. : 155090-83-8

Description : Aqueous dispersion, blue liquid.

Sodium : Max. 400 ppm

Sulfate : Max. 40 ppm

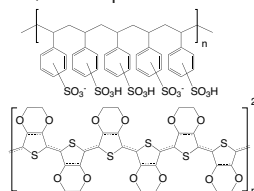
Solid content: 1.3 - 1.7 wt%

PSD d50 : 80 nm

PSD d90 : 100 nm

Resistivity : 500-5000 Ωcm

Viscosity : 5-12 mPas



Technical Data (guide values, not a specification)

Form : liquid

Odour : odourless

Colour : dark blue

PEDOT:PSS ratio: 1:6 (by weight)

PEDOT work function: approx 5.2 eV

pH : 1.2 - 2.2 at 20 °C

Boiling Point : approx 100 °C

Storage:

The product is sensitive to frost and should therefore not be stored at temperatures below 5 °C.

Avoid freezing!

K0004

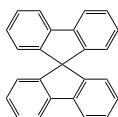
9,9'-Spirobifluorene

CAS No. : 159-66-0

Grade : >98% (HPLC)

Formula : C₂₅H₁₆

M.W. : 316.39 g/mole



K0033

9,9'-Spirobifluorene-2,2'-diamine

CAS No. : 67665-45-6

Grade : >98% (HPLC)

Formula : C₂₅H₁₆N₂

M.W. : 346.42 g/mole



K0092

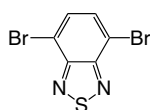
4,7-Dibromobenzo[c][1,2,5]thiadiazole

CAS No. : 15155-41-6

Grade : >98% (HPLC)

Formula : C₆H₂Br₂N₂S

M.W. : 293.97 g/mole



K0094

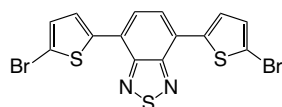
4,7-Bis(5-bromothiophen-2-yl)benzo[c][1,2,5]thiadiazole

CAS No. : 288071-87-4

Grade : >98% (HPLC)

Formula : C₁₄H₆Br₂N₂S₃

M.W. : 458.21 g/mole



K0264

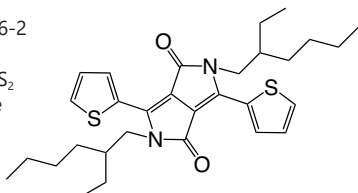
2,5-Bis(2-ethylhexyl)-3,6-di(thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione

CAS No. : 1185885-86-2

Grade : >97% (NMR)

Formula : C₃₀H₄₀N₂O₂S₂

M.W. : 524.78 g/mole



K0291

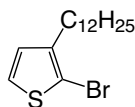
2-Bromo-3-dodecylthiophene

CAS No. : 139100-06-4

Grade : >96% (HPLC)

Formula : C₁₆H₂₇BrS

M.W. : 331.35 g/mole



K0330

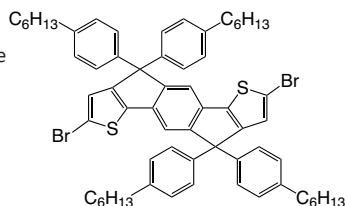
2,7-Dibromo-4,9-dihydro-4,4,9,9-tetrakis(4-hexylphenyl)-s-indaceno[1,2-b : 5,6-b']dithiophene

CAS No. : 1049034-71-0

Grade : >98% (HPLC)

Formula : C₆₄H₇₂Br₂S₂

M.W. : 1065.19 g/mole



K0445

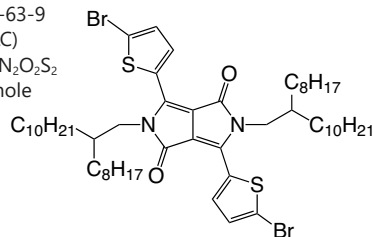
3,6-Bis(5-bromothiophen-2-yl)-2,5-bis(2-octyldodecyl)pyrrolo [3,4-c] pyrrole-1,4(2H,5H)-dione

CAS No. : 1260685-63-9

Grade : >98% (HPLC)

Formula : C₆₄H₈₆Br₂N₂O₂S₂

M.W. : 1019.21 g/mole



K0555

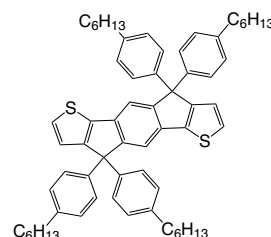
4,9-Dihydro-4,4,9,9-tetrakis(4-hexylphenyl)-s-indaceno[1,2-b : 5,6-b'] dithiophene

CAS No. : 1049034-67-4

Grade : >98% (HPLC)

Formula : C₆₄H₇₄S₂

M.W. : 907.4 g/mole



K0560

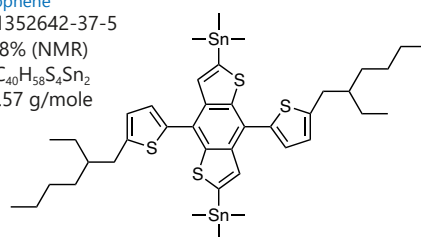
2,6-Bis(trimethyltin)-4,8-bis(5-(2-ethylhexyl)thiophen-2-yl)benzo[1,2-b : 4,5-b']dithiophene

CAS No. : 1352642-37-5

Grade : >98% (NMR)

Formula : C₄₀H₅₈S₄Sn₂

M.W. : 904.57 g/mole



K0664

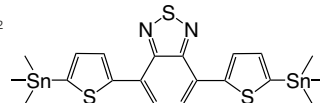
4,7-Bis(5-(trimethylstannyl)thiophen-2-yl)benzo[c][1,2,5]thiadiazole

CAS No. : 1025451-57-3

Grade : >98% (NMR)

Formula : C₂₀H₂₄N₂S₃Sn₂

M.W. : 626.03 g/mole



K0735

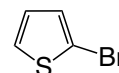
2-Bromothiophene

CAS No. : 1003-09-4

Grade : >98% (HPLC)

Formula : C₄H₃BrS

M.W. : 163.04 g/mole



K0737

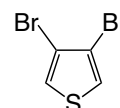
3,4-Dibromothiophene

CAS No. : 3141-26-2

Grade : >98% (HPLC)

Formula : C₄H₂Br₂S

M.W. : 241.93 g/mole



K0738

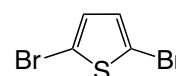
2,5-Dibromothiophene

CAS No. : 3141-27-3

Grade : >98% (HPLC)

Formula : C₄H₂Br₂S

M.W. : 241.93 g/mole



K1207

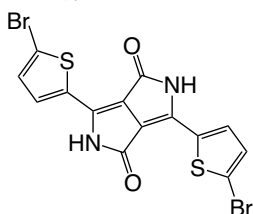
3,6-Bis(5-bromothiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione

CAS No. : 777079-55-7

Grade : >98%

Formula : $C_{14}H_6Br_2N_2O_2S_2$

M.W. : 458.15 g/mole



K1210

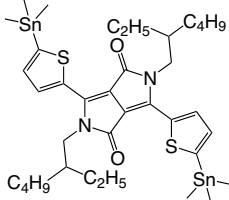
2,5-Bis(2-ethylhexyl)-3,6-bis(5-(trimethylstannyl)thiophen-2-yl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione

CAS No. : 1392422-47-7

Grade : >98%

Formula : $C_{36}H_{56}N_2O_2S_2Sn_2$

M.W. : 850.39 g/mole



K1214

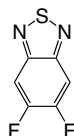
5,6-Difluorobenzo[c][1,2,5]thiadiazole

CAS No. : 1293389-28-2

Grade : >98%

Formula : $C_6H_2F_2N_2S$

M.W. : 172.16 g/mole



K1217

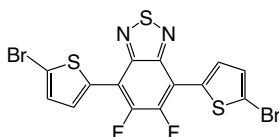
4,7-Bis(5-bromothiophen-2-yl)-5,6-difluorobenzo[c][1,2,5]thiadiazole

CAS No. : 1304773-89-4

Grade : >98%

Formula : $C_{14}H_4Br_2F_2N_2S_3$

M.W. : 494.19 g/mole



K1221

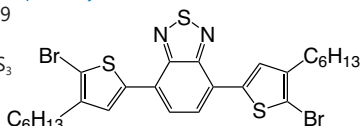
4,7-Bis(5-bromo-4-hexylthiophen-2-yl)benzo[c][1,2,5]thiadiazole

CAS No. : 444579-39-9

Grade : >98%

Formula : $C_{26}H_{30}Br_2N_2S_3$

M.W. : 626.53 g/mole



LT-EC010

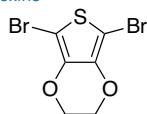
5,7-Dibromo-2,3-dihydrothieno[3,4-b][1,4]dioxine

CAS No. : 174508-31-7

Grade : >98%

Formula : $C_6H_4Br_2O_2S$

M.W. : 299.97 g/mole



LT-EC011

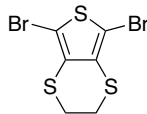
2,5-Dibromo-3,4-Ethylenedithiophene

CAS No. : 623573-55-7

Grade : >98%

Formula : $C_6H_4Br_2S_3$

M.W. : 332.1 g/mole



LT-EC012 DPP

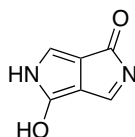
Diketopyrrolopyrrole

CAS No. : 114482-12-1

Grade : >95%

Formula : $C_6H_4N_2O_2$

M.W. : 136.11 g/mole



LT-EC013

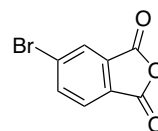
5-Bromoisobenzofuran-1,3-dione

CAS No. : 86-90-8

Grade : >97%

Formula : $C_8H_3BrO_3$

M.W. : 227.01 g/mole



LT-EC018

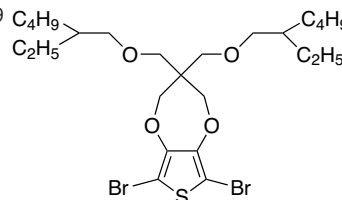
6,8-Dibromo-3,3-bis(((2-ethylhexyl)oxy)methyl)-3,4-dihydro-2H-thieno[3,4-b][1,4]dioxepine

CAS No. : 700817-08-9

Grade : >99%

Formula : $C_{25}H_{42}Br_2O_4S$

M.W. : 598.47 g/mole



LT-EC020 TBAPF6

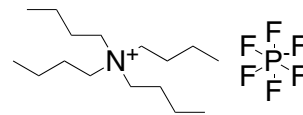
Tetrabutylammonium hexafluorophosphate

CAS No. : 3109-63-5

Grade : >99%

Formula : $C_{16}H_{36}F_6NP$

M.W. : 387.43 g/mole



LT-EC021 TBAP

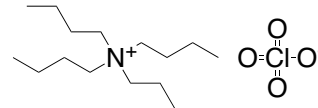
Tetrabutylammonium perchlorate

CAS No. : 1923-70-2

Grade : >98%

Formula : $C_{16}H_{36}ClNO_4$

M.W. : 341.91 g/mole



LT-MOF0226 H4BIPA-TC

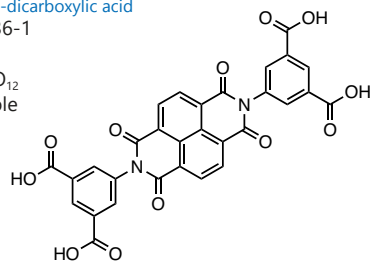
5,5'-(1,3,6,8-Tetraoxo-1,3,6,8-tetrahydrobenzo[lmn][3,8]phenanthroline-2,7-diyl)dibenzene-1,3-dicarboxylic acid

CAS No. : 350024-36-1

Grade : >95%

Formula : $C_{30}H_{14}N_2O_{12}$

M.W. : 594.44 g/mole



T0001 PMDA

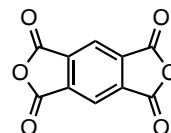
Pyromellitic dianhydride

CAS No. : 89-32-7

Grade : >99%

Formula : $C_{10}H_2O_5$

M.W. : 218.12 g/mole



T0002 BTDA

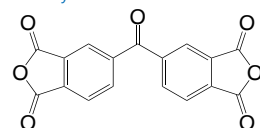
3,3',4,4'-Benzophenonetetracarboxylic Dianhydride

CAS No. : 2421-28-5

Grade : >98% (GC)

Formula : $C_{17}H_6O_7$

M.W. : 322.23 g/mole



LT-D0033 | TPP

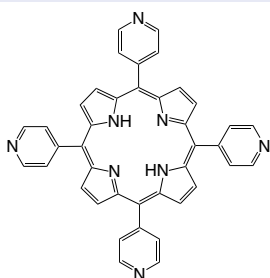
meso-Tetra(4-pyridyl)porphine

CAS No. : 16834-13-2

Grade : >98%

Formula : $C_{40}H_{26}N_8$

M.W. : 618.69 g/mole

**LT-D0034** |

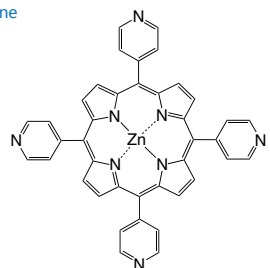
Zinc(II) meso-tetra(4-pyridyl)porphine

CAS No. : 31183-11-6

Grade : >98%

Formula : $C_{40}H_{24}N_8Zn$

M.W. : 682.06 g/mole

**LT-D0036** | H2TAPP

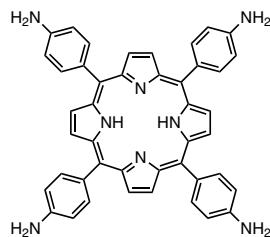
meso-Tetra(4-aminophenyl)porphine

CAS No. : 22112-84-1

Grade : >98% (NMR)

Formula : $C_{44}H_{34}N_8$

M.W. : 674.81 g/mole

**LT-D2001** | CoPC

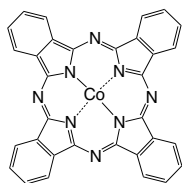
Cobalt(II) phthalocyanine

CAS No. : 3317-67-7

Grade : Sublimed >99%

Formula : $C_{32}H_{16}CoN_8$

M.W. : 571.47 g/mole

**LT-D2002** | Li2PC

Dilithium phthalocyanine

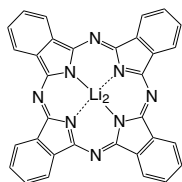
CAS No. : 25510-41-2

Grade : Sublimed product

Formula : $C_{32}H_{16}Li_2N_8$

M.W. : 526.42 g/mole

UV : 658 nm (in DMF)

**LT-D2003** | Na2PC

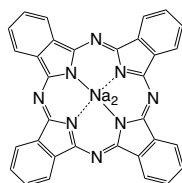
Disodium phthalocyanine

CAS No. : 25476-27-1

Grade : Sublimed product

Formula : $C_{32}H_{16}Na_2N_8$

M.W. : 558.52 g/mole

UV : 656, 692 nm (in $CHCl_3$)**LT-D2004** | PbPC

Lead(II) phthalocyanine

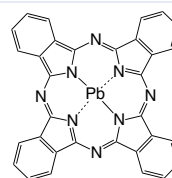
CAS No. : 15187-16-3

Grade : Sublimed >99%

Formula : $C_{32}H_{16}N_8Pb$

M.W. : 719.74 g/mole

UV : 698 nm (in DMF)

**LT-D2006** | MgPC

Magnesium(II) phthalocyanine

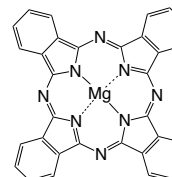
CAS No. : 1661-03-6

Grade : Sublimed product

Formula : $C_{32}H_{16}N_8Mg$

M.W. : 536.84 g/mole

UV : 668 nm (in DMF)

**LT-D2008** | SnCl2PC

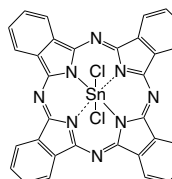
Tin(IV) phthalocyanine dichloride

CAS No. : 18253-54-8

Grade : Sublimed product

Formula : $C_{32}H_{16}Cl_2N_8Sn$

M.W. : 702.15 g/mole

**LT-D2009** | FePC

Iron(II) phthalocyanine

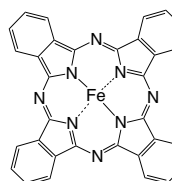
CAS No. : 132-16-1

Grade : Sublimed product

Formula : $C_{32}H_{16}FeN_8$

M.W. : 568.38 g/mole

UV : 675 nm (in DMF)

**LT-D2010** | 2,3-F8CuPC

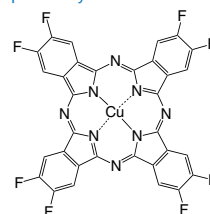
Copper(II) 2,3,9,10,16,17,23,24-octafluorophthalocyanine

CAS No. : 148651-60-9

Grade : Sublimed product

Formula : $C_{32}H_8CuF_8N_8$

M.W. : 720.01 g/mole

**LT-D2011** |

Copper(II) 2,9,16,23-tetra-tert-butylphthalocyanine

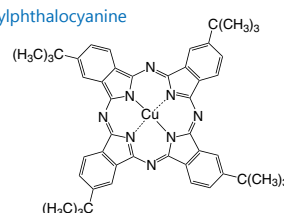
CAS No. : 39001-64-4

Grade : Sublimed product

Formula : $C_{48}H_{48}CuN_8$

M.W. : 800.51 g/mole

UV : 672 nm (in DMF)

**LT-D2012** |

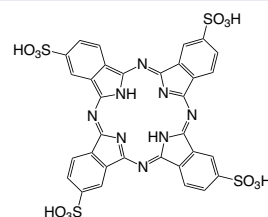
Phthalocyanine tetrasulfonic acid

CAS No. : 33308-41-7

Grade : >96% (with isomers)

Formula : $C_{32}H_{18}N_8O_{12}S_4$

M.W. : 834.79 g/mole



LT-D2013

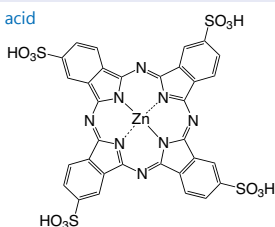
Zinc(II) phthalocyanine tetrasulfonic acid

CAS No. : 61586-86-5

Grade : >96% (with isomers)

Formula : $C_{32}H_{16}N_8O_{12}S_4Zn$

M.W. : 898.19 g/mole



LT-D2014

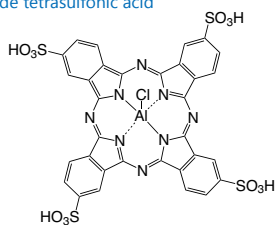
Aluminum(III) phthalocyanine chloride tetrasulfonic acid

CAS No. : 100180-30-1

Grade : >96% (with isomers)

Formula : $C_{32}H_{16}AlClN_8O_{12}S_4$

M.W. : 895.21 g/mole



LT-D2015 SmPC2

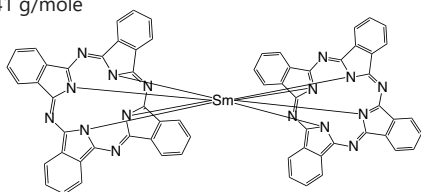
Bis(2(3),9(10),16(17),23(24)-tetrakis-(3,4-phenyl)-phthalocyaninato) samarium(III)

CAS No. : 82800-48-4

Grade : >99%

Formula : $C_{64}H_{32}N_{16}Sm$

M.W. : 1175.41 g/mole



LT-D2016 [OH]8ZnPC

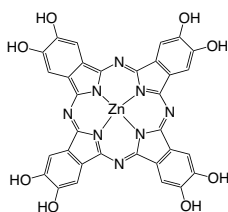
2,3,9,10,16,17,23,24-Octahydroxy-phthalocyaninato zinc(II)

CAS No. : 121322-70-1

Grade : >95%

Formula : $C_{32}H_{16}N_8O_8Zn$

M.W. : 705.93 g/mole



LT-D2017

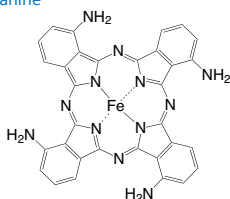
Iron(III) 1,8,15,22-tetraamino-phthalocyanine

CAS No. : 3040294-90-1

Grade : >95%

Formula : $C_{32}H_{20}FeN_{12}$

M.W. : 628.43 g/mole



LT-D2018

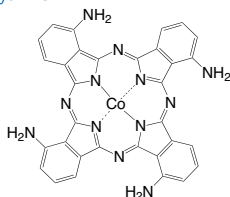
Cobalt(II) 1,8,15,22-tetraamino-phthalocyanine

CAS No. : 77135-78-5

Grade : >95%

Formula : $C_{32}H_{20}CoN_{12}$

M.W. : 631.51 g/mole



LT-D2019

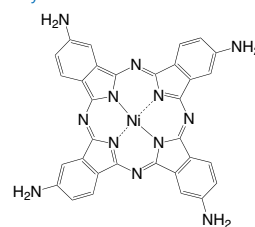
Nickel(II) 2,9,16,23-tetraamino-phthalocyanine

CAS No. : 27680-33-7

Grade : >95%

Formula : $C_{32}H_{20}NiN_{12}$

M.W. : 631.27 g/mole



LT-D2020

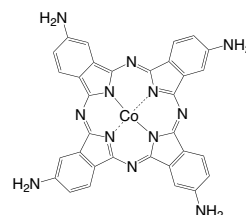
Cobalt(II) 2,9,16,23-tetraamino-phthalocyanine

CAS No. : 203860-42-8

Grade : >95%

Formula : $C_{32}H_{20}CoN_{12}$

M.W. : 631.51 g/mole



LT-D2021

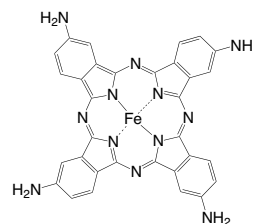
Iron(II) 2,9,16,23-tetraamino-phthalocyanine

CAS No. : 95100-27-9

Grade : >95%

Formula : $C_{32}H_{20}FeN_{12}$

M.W. : 628.43 g/mole



LT-D2022

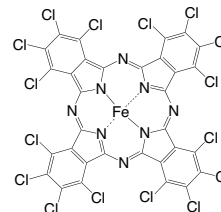
Iron(II) 1,2,3,4,8,9,10,11,15,16,17,18,22,23,24,25-hexadecachloro-phthalocyanine

CAS No. : 50662-67-4

Grade : >95%

Formula : $C_{32}Cl_{16}FeN_8$

M.W. : 1119.49 g/mole



LT-D2023 F16CoPc

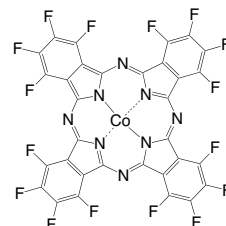
Cobalt(II) 1,2,3,4,8,9,10,11,15,16,17,18,22,23,24,25-hexadecafluoro-phthalocyanine

CAS No. : 52629-20-6

Grade : >95%

Formula : $C_{32}CoF_{16}N_8$

M.W. : 859.3 g/mole



LT-D2024

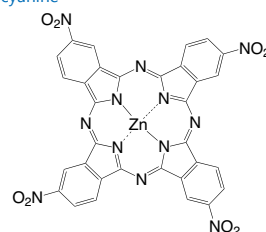
Zinc(II) 2,9,16,23-tetraamino-phthalocyanine

CAS No. : 100043-01-4

Grade : >95%

Formula : $C_{32}H_{12}N_{12}O_8Zn$

M.W. : 757.89 g/mole



LT-D2025

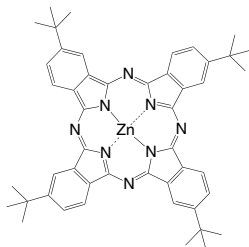
Zinc(II) 2,9,16,23-tetra(t-butyl)phthalocyanine

CAS No. : 39001-65-5

Grade : >95%

Formula : $C_{48}H_{48}N_8Zn$

M.W. : 802.33 g/mole



LT-D2026

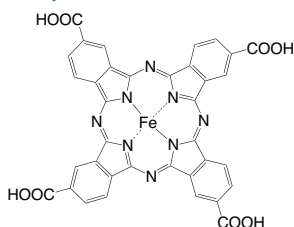
Iron(III) 2,9,16,23-tetracarboxy-phthalocyanine

CAS No. : 438527-29-8

Grade : >95%

Formula : $C_{36}H_{16}FeN_8O_8$

M.W. : 744.41 g/mole



LT-E201 CuPC

Copper(II) phthalocyanine

CAS No. : 147-14-8

Grade : Sublimed >99%

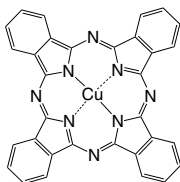
TGA : >430 °C (0.5% wt. loss)

Formula : $C_{32}H_{16}CuN_8$

M.W. : 576.08 g/mole

UV : 345, 631 nm (in CH_2Cl_2)

PL : 404 nm (film)



LT-E206 TiOPC

Titanium oxide phthalocyanine

CAS No. : 26201-32-1

Grade : Sublimed >99%

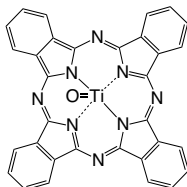
TGA : >440 °C (0.5% wt. loss)

Formula : $C_{32}H_{16}N_8OTi$

M.W. : 576.39 g/mole

UV : 349, 692 nm (in CH_2Cl_2)

PL : 392 nm (film)



LT-EC014 EV

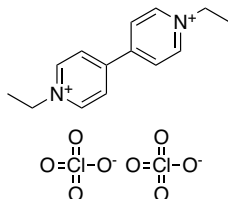
Ethyl viologen diperchlorate

CAS No. : 36305-51-8

Grade : >98%

Formula : $C_{14}H_{18}Cl_2N_2O_8$

M.W. : 413.21 g/mole



LT-N219 PtPC

Phthalocyanine platinum

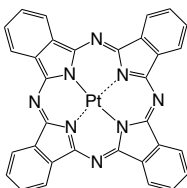
CAS No. : 14075-08-2

Grade : Sublimed >99%

TGA : >460 °C (0.5% wt. loss)

Formula : $C_{32}H_{16}N_8Pt$

M.W. : 707.6 g/mole

UV : 228, 270 nm (in CH_2Cl_2)PL : 372.5 nm (in CH_2Cl_2)

LT-N222 H2PC

Phthalocyanine

CAS No. : 574-93-6

Grade : Sublimed >98%

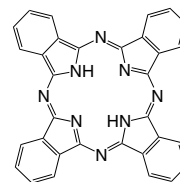
TGA : >350 °C (0.5% wt. loss)

Formula : $C_{32}H_{16}N_8$

M.W. : 514.54 g/mole

UV : 279, 693 nm

PL : 418 nm



LT-S9025 AIPCCI

Aluminum phthalocyanine chloride

CAS No. : 14154-42-8

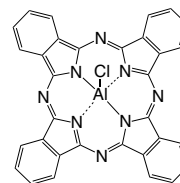
Grade : Sublimed >99%

TGA : >370 °C (0.5% wt. loss)

Formula : $C_{32}H_{16}AlClN_8$

M.W. : 574.97 g/mole

UV : 675 nm (in DMF)



LT-S903 C60

Fullerene-C₆₀

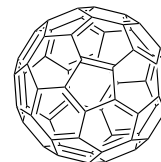
CAS No. : 99685-96-8

Grade : >99.5%

TGA : >450 °C (0.5% wt. loss)

Formula : C_{60}

M.W. : 720.64 g/mole

UV : 251 nm (in CH_2Cl_2)

LT-S905 PCBM

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

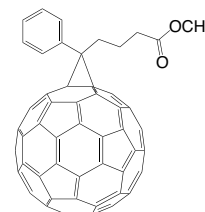
CAS No. : 160848-22-6

Grade : >99.5%

Formula : $C_{72}H_{14}O_2$

M.W. : 910.88 g/mole

UV : 258, 328 nm (in THF)



LT-S9053 VOPC

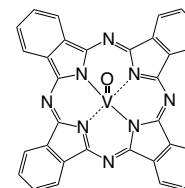
Oxyvanadium phthalocyanine

CAS No. : 13930-88-6

Grade : Sublimed product

Formula : $C_{32}H_{16}N_8OV$

M.W. : 579.47 g/mole

UV : 338, 684 nm (in CH_2Cl_2)

LT-S906 ZnPC

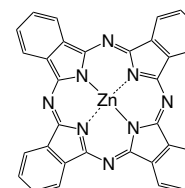
Zinc phthalocyanine

CAS No. : 14320-04-8

Grade : Sublimed >99%

Formula : $C_{32}H_{16}N_8Zn$

M.W. : 577.92 g/mole

PL : 534 nm (in CH_2Cl_2)

LT-S9086 | SnPC

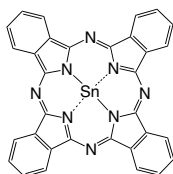
Tin(II) phthalocyanine

CAS No. : 15304-57-1

Grade : Sublimed product

Formula : $C_{32}H_{16}N_8Sn$

M.W. : 631.25 g/mole

**LT-S9171** | F4ZnPC

Zinc(II)-1,8,15,22-tetrafluoro-29H,31H-phthalocyanine, mixture of isomers

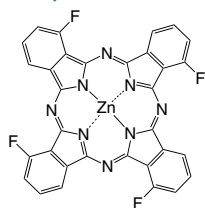
CAS No. : 1120355-28-3

Grade : Sublimed >99%

TGA : >250 °C (0.5% wt. loss)

Formula : $C_{32}H_{12}F_4N_8Zn$

M.W. : 649.89 g/mole

UV : 681 nm (in $CHCl_3$)**LT-S9172** | F8ZnPC

Zinc(II)-2,3,9,10,16,17,23,24-octafluoro-29H,31H-phthalocyanine

CAS No. : 676519-80-5

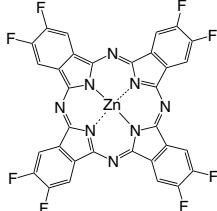
Grade : Sublimed >99%

TGA : >300 °C (0.5% wt. loss)

Formula : $C_{32}H_8F_8N_8Zn$

M.W. : 721.86 g/mole

UV : 338, 656 nm (in DMF)

**LT-S9176** | InClPC

Indium(III) phthalocyanine chloride

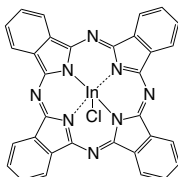
CAS No. : 19631-19-7

Grade : Sublimed >99%

TGA : >300 °C (0.5% wt. loss)

Formula : $C_{32}H_{16}ClInN_8$

M.W. : 662.79 g/mole

UV : 358, 683 nm (in $CHCl_3$)**LT-S9177** | F16FePC

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

CAS No. : 23844-93-1

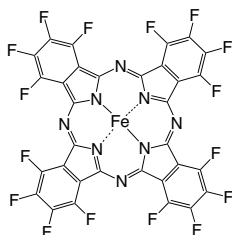
Grade : Sublimed >99%

TGA : >300 °C (0.5% wt. loss)

Formula : $C_{32}F_{16}FeN_8$

M.W. : 856.22 g/mole

UV : 333, 627 nm (in Acetone)

**LT-S9180** | SnNCCl2

Tin(IV) 2,3-naphthalocyanine dichloride

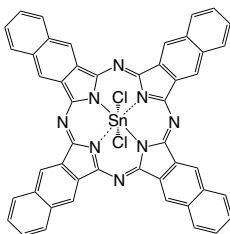
CAS No. : 26857-61-4

Grade : Sublimed product

TGA : >300 °C (0.5% wt. loss)

Formula : $C_{48}H_{24}Cl_2N_8Sn$

M.W. : 902.37 g/mole

**LT-S9182** | SnNC

Tin(II) 2,3-naphthalocyanine

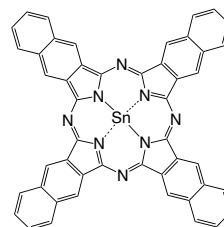
CAS No. : 110479-58-8

Grade : Sublimed product

TGA : >300 °C (0.5% wt. loss)

Formula : $C_{48}H_{24}N_8Sn$

M.W. : 831.47 g/mole

**LT-S928** | F16CuPC

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

CAS No. : 14916-87-1

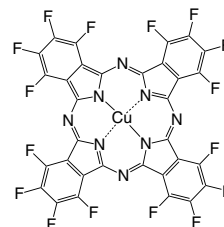
Grade : Sublimed product

TGA : >400 °C (0.5% wt. loss)

Formula : $C_{32}CuF_{16}N_8$

M.W. : 863.93 g/mole

UV : 690 nm (in THF)

**LT-S943** | SubPC

Boron subphthalocyanine chloride

CAS No. : 36530-06-0

Grade : Sublimed >99%

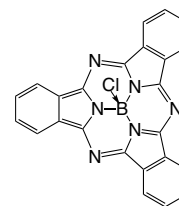
TGA : >340 °C (0.5% wt. loss)

Formula : $C_{24}H_{12}BN_3Cl$

M.W. : 430.66 g/mole

UV : 565 nm (in DMF)

PL : 577 nm (in DMF)

**LT-S947** | SubNC

Boron sub-2,3-naphthalocyanine chloride

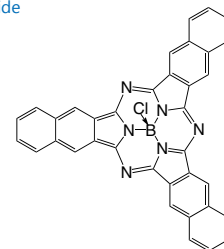
CAS No. : 142710-56-3

Grade : Sublimed >99%

TGA : >370 °C (0.5% wt. loss)

Formula : $C_{36}H_{18}BClN_6$

M.W. : 580.83 g/mole

UV : 658 nm (in CH_2Cl_2)**LT-S962** | CuNC

Copper(II) 2,3-naphthalocyanine

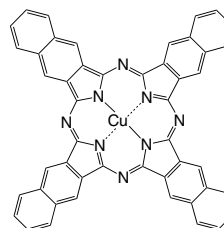
CAS No. : 33273-09-5

Grade : Sublimed >99% (TGA)

TGA : >430 °C (0.5% wt. loss)

Formula : $C_{48}H_{24}CuN_8$

M.W. : 776.30 g/mole

UV : 681 nm (in CH_2Cl_2)

LT-E003 | MoO₃

Molybdenum(VI) oxide
 CAS No. : 1313-27-5
 Grade : >99.998%
 Formula : MoO₃
 M.W. : 143.94 g/mole

LT-EC001 | WO₃

Tungsten(VI) oxide
 CAS No. : 1314-35-8
 Grade : >99.9%
 Formula : WO₃
 M.W. : 231.84 g/mole

LT-EC002 | Nb₂O₅

Niobium(V) oxide
 CAS No. : 1313-96-8
 Grade : >99.9%
 Formula : Nb₂O₅
 M.W. : 265.81 g/mole

LT-EC003 | TiO₂

Titanium(IV) Oxide
 CAS No. : 13463-67-7
 Grade : >99%
 Formula : TiO₂
 M.W. : 79.87 g/mole

LT-EC004 | NiO

Nickel(II) oxide
 CAS No. : 1313-99-1
 Grade : >99%
 Formula : NiO
 M.W. : 74.69 g/mole

LT-EC005 | IrO₂

Iridium(IV) Oxide
 CAS No. : 12030-49-8
 Grade : >99%
 Formula : IrO₂
 M.W. : 224.22 g/mole

LT-EC006 | Fe₄[Fe(CN)₆]₃

Iron(III) ferrocyanide
 CAS No. : 14038-43-8
 Formula : C₁₈Fe₇N₁₈
 M.W. : 859.23 g/mole

LT-EC007 | V₂O₅

Vanadium(V) oxide
 CAS No. : 1314-62-1
 Grade : >99%
 Formula : V₂O₅
 M.W. : 181.88 g/mole

LT-EC008 | CoO

Cobalt(II) oxide
 CAS No. : 1307-96-6
 Grade : >99.9%
 Formula : CoO
 M.W. : 74.93 g/mole

LT-EC009 | Rh₂O₃

Rhodium(III) oxide
 CAS No. : 12036-35-0
 Grade : >99.9%
 Formula : Rh₂O₃
 M.W. : 253.81 g/mole

LT-EC023 | NiO

Nickel(II) oxide nanoparticle
 CAS No. : 1313-99-1
 Grade : 99.90%
 Formula : NiO
 M.W. : 74.69 g/mole

LT-EC024 | NiO nanoparticle solution

Nickel(II) oxide nanoparticle solution (IPA:H₂O=1:3)
 CAS No. : 1313-99-1
 Grade : 5mg/mL
 Formula : NiO
 M.W. : 74.69 g/mole

LT-EC025 | NiO

Nickel(II) oxide nanoparticle solution (IPA:H₂O=1:3)
 CAS No. : 1313-99-1
 Grade : 10mg/mL
 Formula : NiO
 M.W. : 74.69 g/mole

LT-EC026 | NiO

Nickel(II) oxide nanoparticle solution 10mg/ml in water(without IsoPropylAlcohol)
 CAS No. : 1313-99-1
 Grade : 10 mg/ml in water
 Formula : NiO
 M.W. : 74.69 g/mole