

PRODUCTS CATALOG 2011



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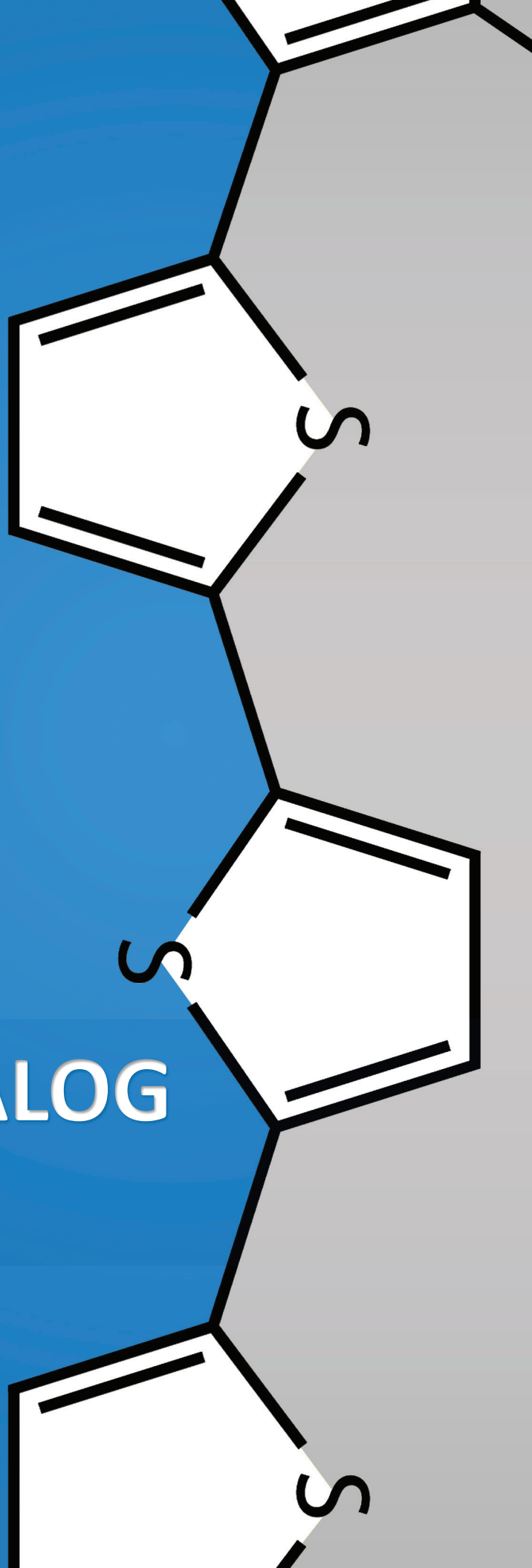


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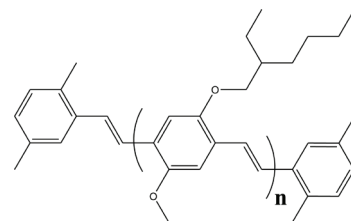
Updated July 2011

ADS100RE

Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylene-vinylene]
– End capped with DMP

$M_W = >100\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 494 nm (in THF), λ_{PL} 550 nm (in THF)
 λ_{PL} 587 nm (film)

HOMO: -5.18 (eV), LUMO: -3.02 (eV)
Metal Content: N/A
Solubility: THF, Toluene, Chlorobenzene



MEH-PPV

CAS # 138184-36-8

Orange emitter

Red Fibers

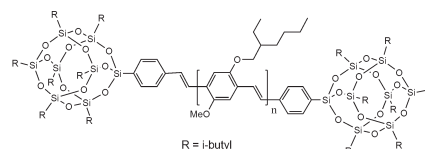
Available

ADS200RE

Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylene-vinylene]
– End capped with *Polysilsesquioxane*

$M_W = >100\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 494 nm (in THF), λ_{PL} 550 nm (in THF)
 λ_{PL} 587 nm (film)

HOMO: -5.18 (eV), LUMO: -3.02 (eV)
Metal Content: N/A
Solubility: THF, Toluene, Chlorobenzene



MEH-PPV

CAS # 138184-36-8

Orange emitter

Red Fibers

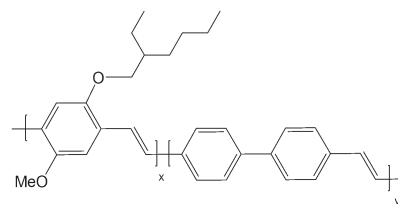
Available

ADS102RE

Poly[(2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylene-vinylene)-co-(4,4'-biphenylene-vinylene)] biphenylene-vinylene proportion available from 10-20 % (y)

$M_W = 30\ 000 - >1\ 000\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 460 - 480 nm (in THF), λ_{PL} 540 - 550 nm (in THF)
 λ_{PL} 565 - 575 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
Metal Content: N/A
Solubility: Toluene, THF



MEH-BP-PPV

CAS # N/A

Orange emitter

Orange Fibers

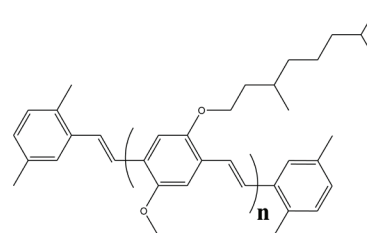
Custom Made

ADS104RE

Poly[2-methoxy-5-(3,7-dimethyloctyloxy)-1,4-phenylene-vinylene]
– End capped with DMP

$M_W = >100\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 491 nm (in THF), $\lambda_{Abs.}$ 509 nm (film),
 λ_{PL} 544 nm (in THF), λ_{PL} 575 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
Metal Content: N/A
Solubility: THF, Toluene, Chlorobenzene



MDMO-PPV

CAS # 177716-59-5

Orange emitter

Orange Fibers

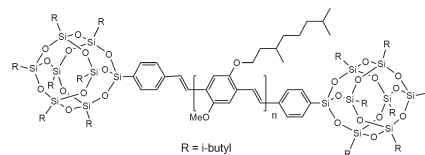
Available

ADS204RE

Poly[2-methoxy-5-(3,7-dimethyloctyloxy)-1,4-phenylene-vinylene]
– End capped with Polysilsesquioxane

M_W = >100 000 (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 491 nm (in THF), $\lambda_{Abs.}$ 509 nm (film),
 λ_{PL} 544 nm (in THF), λ_{PL} 575 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: THF, Toluene, Chlorobenzene



MDMO-PPV

CAS # 177716-59-5

Orange emitter

Orange Fibers

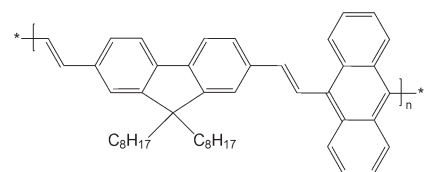
Available

ADS106RE

Poly[(9,9-dioctyl-2,7-divinylfluorenylene)-alt-co-(9,10-anthracene)]

M_W = 10 000 - 300 000 (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 445 nm (in THF), λ_{PL} 543 nm (in THF)
 λ_{PL} 557 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Toluene, THF



CAS # N/A

Orange emitter

Orange Fibers

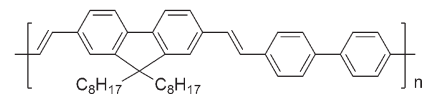
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ADS107GE

Poly[(9,9-dioctyl-2,7-divinylfluorenylene)-alt-co-(4,4'-biphenylene)]

M_W = 10 000 - 40 000 (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 431 nm (in THF), λ_{PL} 448 nm (in THF)
 λ_{PL} 464 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Yellow Fibers

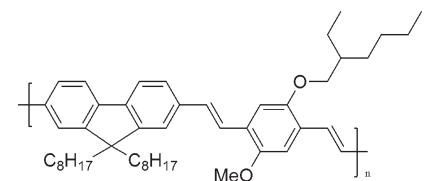
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ADS108GE

Poly[(9,9-dioctyl-2,7-divinylfluorenylene)-alt-co-{2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylene}]

M_W = 30 000 - 500 000 (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 481 nm (in THF), λ_{PL} 496 nm (in THF)
 λ_{PL} 539 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Toluene, THF



PF-MEH-PPV

CAS # N/A

Green emitter

Yellow Fibers

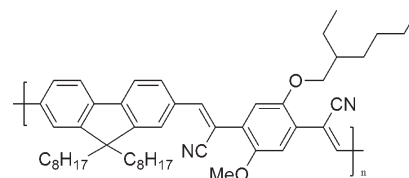
Custom Made

ADS109GE

Poly[(9,9-dioctyl-2,7-bis{2-cyanovinylene}fluorenylene)-alt-co-(2-methoxy-5-{2-ethylhexyloxy}-1,4-phenylene)]

M_W = 15 000 - 50 000 (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 410 nm (in THF), λ_{PL} 492 nm (in THF)
 λ_{PL} 501 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Toluene, THF



CAS # N/A

Green emitter

Yellow Fibers

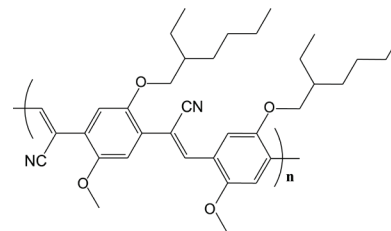
Custom Made

ADS110RE

Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-(1-cyanovinylene)-1,4-phenylene]

M_W = 20 000 - 1 000 000 (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 453 nm (in THF), λ_{PL} 545 nm (in THF)
 λ_{PL} 558 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Toluene, THF



MEH-CN-PPV

CAS # N/A

Orange emitter

Orange Powder

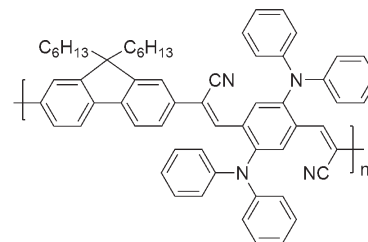
Custom Made

ADS111RE

Poly[{9,9-dihexyl-2,7-bis(1-cyanovinylene)fluorenylene}-alt-co-{2,5-bis(N,N'-diphenylamino)-1,4-phenylene}]

M_W = 25 000 - 250 000 (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 397 nm (in THF), λ_{PL} 650 nm (in THF)
 λ_{PL} 668 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Toluene, THF



CAS # N/A

Red emitter

Red Powder

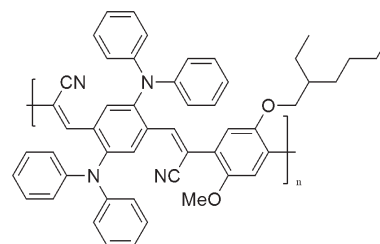
Custom Made

ADS113RE

Poly[{2-methoxy-5-(2-ethylhexyloxy)-1,4-(1-cyanovinylene)phenylene}-co-{2,5-bis(N,N'-diphenylamino)-1,4-phenylene}]

M_W = 15 000 - 50 000 (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 295 nm (in THF), λ_{PL} 612 nm (in THF)
 λ_{PL} 630 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Toluene, THF



CN-PPV-DPD

CAS # N/A

Red emitter

Orange Powder

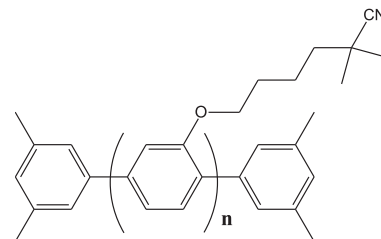
Custom Made

ADS120BE

Poly[2-(5-cyano-5-methylhexyloxy)-1,4-phenylene] – End capped with DMP

$M_W = 20\ 000 - 150\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 339 nm (in THF), λ_{PL} 398 nm (in THF)
 λ_{PL} 406 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Light yellow Fibers

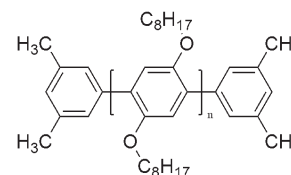
Custom Made

ADS121BE

Poly[2,5-dioctyl-1,4-phenylene] – End capped with DMP

$M_W = 5\ 000 - 20\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 335 nm (in THF), λ_{PL} 397 nm (in THF)
 λ_{PL} N/A nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Orange Fibers

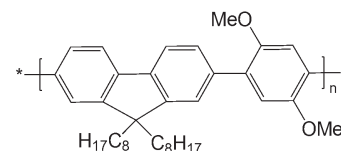
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ADS123BE

Poly[{9,9-dioctylfluorenyl-2,7-diyl}-co-{1,4-(2,5-dimethoxy)benzene}]

$M_W = 10\ 000 - 100\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 369 nm (in THF), λ_{PL} 410 nm (in THF)
 λ_{PL} N/A nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Light yellow Powder

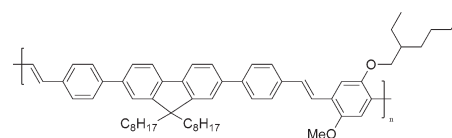
Custom Made

ADS125GE

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(1,4-diphenylene-vinylene-2-methoxy-5-{2-ethylhexyloxy}-benzene)]

$M_W = 30\ 000 - 100\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 427 nm (in THF), λ_{PL} 468 nm (in THF)
 λ_{PL} N/A nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Toluene, THF



CAS # N/A

Green emitter

Light yellow Powder

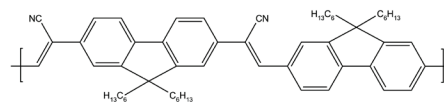
Custom Made

ADS127GE

Poly[(9,9-dihexyl-2,7-(2-cyanodivinyleno)-fluorenylenyl-2,7-diyl)]

$M_W = 20\,000 - 500\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.} = 439\text{ nm}$ (in THF), $\lambda_{PL} = 480\text{ nm}$ (in THF)
 $\lambda_{PL} = 495\text{ nm}$ (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Toluene, THF



CAS # N/A

Green emitter

Yellow Powder

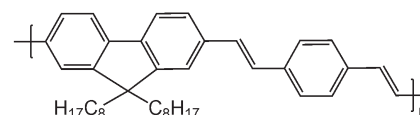
Custom Made

ADS128GE

Poly[(9,9-dioctyl-2,7-divinylenefluorenylene)-alt-co-(1,4-phenylene)]

$M_W = 20\,000 - 100\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.} = 457\text{ nm}$ (in THF), $\lambda_{PL} = 468\text{ nm}$ (in THF)
 $\lambda_{PL} = 483\text{ nm}$ (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Toluene, THF



CAS # N/A

Green emitter

Light Yellow Fibers

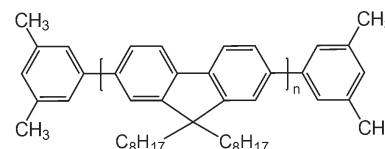
Available

ADS129BE

Poly[9,9-dioctylfluorenyl-2,7-diyl] – End capped with DMP

$M_W = 40\,000 - 150\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.} = 393\text{ nm}$ (in THF) $\lambda_{PL} = 412\text{ nm}$ (in THF)
 $\lambda_{PL} = 442\text{ nm}$ (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



PFO

CAS # N/A

Blue emitter

Light Yellow Fibers

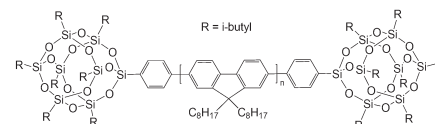
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ADS229BE

Poly[9,9-dioctylfluorenyl-2,7-diyl] – End capped with Polysilsesquioxane

$M_W = 40\,000 - 150\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.} = 393\text{ nm}$ (in THF) $\lambda_{PL} = 412\text{ nm}$ (in THF)
 $\lambda_{PL} = 442\text{ nm}$ (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



PFO

CAS # N/A

Blue emitter

Light Yellow Fibers

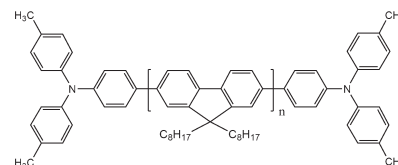
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ADS329BE

Poly[9,9-dioctylfluorenyl-2,7-diyl] – End capped with N,N-Bis(4-methylphenyl)-aniline

M_W = 40 000 – 150 000 (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 393 nm (in THF) λ_{PL} 412 nm (in THF)
 λ_{PL} 442 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



PFO

CAS # N/A

Blue emitter

Light Yellow Fibers

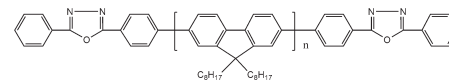
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ADS429BE

Poly[9,9-dioctylfluorenyl-2,7-diyl] – End capped with 2,5-diphenyl-1,2,4-oxadiazole

M_W = 40 000 – 150 000 (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 393 nm (in THF) λ_{PL} 412 nm (in THF)
 λ_{PL} 442 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



PFO

CAS # N/A

Blue emitter

Light Yellow Fibers

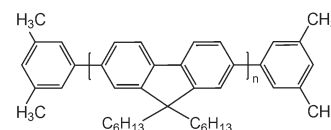
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ADS130BE

Poly[9,9-dihexylfluorenyl-2,7-diyl] – End capped with DMP

M_W = 40 000 – 150 000 (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 393 nm (in THF) λ_{PL} 412 nm (in THF)
 λ_{PL} 442 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



PFO

CAS # 201807-75-2

Blue emitte

Light Yellow Fibers

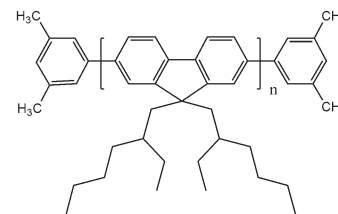
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ADS131BE

Poly[9,9-di-(2-ethylhexyl)-fluorenyl-2,7-diyl] – End capped with DMP

M_W = 10 000 – 75 000 (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 385 nm (in THF) λ_{PL} 410 nm (in THF)
 λ_{PL} 418 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # 188201-16-3

Blue emitter

Light Yellow Fibers

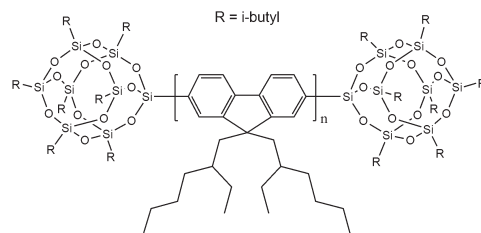
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ADS231BE

Poly[9,9-di-(2-ethylhexyl)-fluorenyl-2,7-diyl] – End capped with Polysilsesquioxane

$M_W = 10\ 000 - 75\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 385 nm (in THF) λ_{PL} 410 nm (in THF)
 λ_{PL} 418 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # 188201-16-3

Blue emitter

Light Yellow Fibers

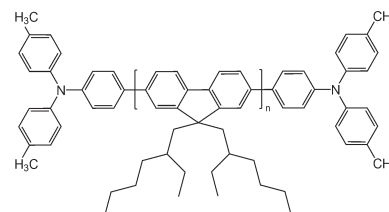
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ADS331BE

Poly[9,9-di-(2-ethylhexyl)-fluorenyl-2,7-diyl] – End capped with N,N-Bis(4-methylphenyl)-aniline

$M_W = 10\ 000 - 75\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 385 nm (in THF) λ_{PL} 410 nm (in THF)
 λ_{PL} 418 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # 188201-16-3

Blue emitter

Light Yellow Fibers

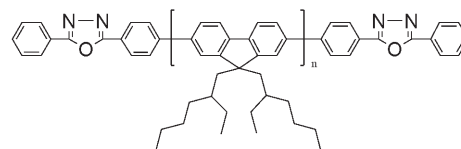
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ADS431BE

Poly[9,9-di-(2-ethylhexyl)-fluorenyl-2,7-diyl] – End capped with 2,5-diphenyl-1,2,4-oxadiazole

$M_W = 10\ 000 - 75\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 385 nm (in THF) λ_{PL} 410 nm (in THF)
 λ_{PL} 418 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # 188201-16-3

Blue emitter

Light Yellow Fibers

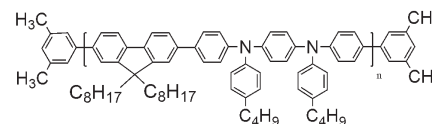
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ADS232GE

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(N,N'-diphenyl)-N,N'-di(p-butylphenyl)-1,4-diamino-benzene]

$M_W = 20\ 000 - 150\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 382 nm (in THF) λ_{PL} 494 nm (in THF)
 λ_{PL} 455 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # N/A

Green emitter

Light Yellow Powder

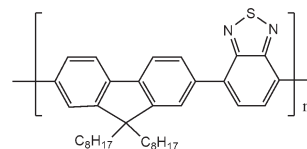
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ADS133YE

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-alt-co-(1,4-benzo-{2,1',3}-thiadiazole)]

$M_W = 15\ 000 - 200\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 320, 455 nm (in THF) λ_{PL} 529 nm (in THF)
 λ_{PL} N/A nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # N/A

Yellow emitter

Light Yellow Powder

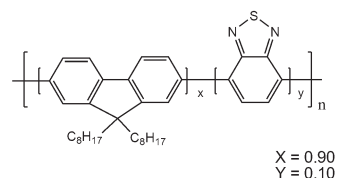
Available

ADS233YE

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(1,4-benzo-{2,1',3}-thiadiazole)] 10% benzothiadiazole (y)

$M_W = 15\ 000 - 200\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 386 nm (in THF) λ_{PL} 535 nm (in THF)
 λ_{PL} N/A nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



X = 0.90
 Y = 0.10

CAS # N/A

Yellow emitter

Yellow Powder

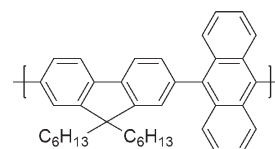
Available

ADS134BE

Poly[(9,9-dihexylfluorenyl-2,7-diyl)-co-(9,10-anthracene)]

$M_W = 15\ 000 - 100\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 381 nm (in THF) λ_{PL} 435 nm (in THF)
 λ_{PL} N/A nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Light Yellow Powder

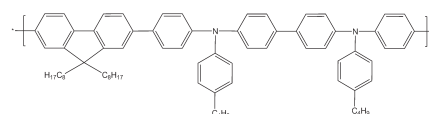
Custom Made

ADS135BE

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

$M_W = 15\ 000 - 75\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 382 nm (in THF) λ_{PL} 437 nm (in THF)
 λ_{PL} N/A nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Light Yellow Powder

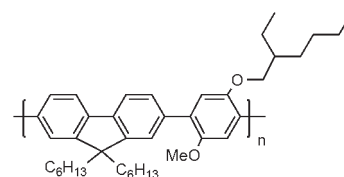
Custom Made

ADS136BE

Poly[(9,9-dihexylfluorenyl-2,7-diyl)-alt-co-(2-methoxy-5-{2-ethylhexyloxy}-1,4-phenylene)]

$M_W = 15\ 000 - 75\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.} = 366\text{ nm}$ (in THF) $\lambda_{PL} = 412\text{ nm}$ (in THF)
 $\lambda_{PL} = 424\text{ nm}$ (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Orange Powder

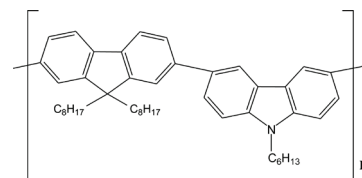
Custom Made

ADS138BE

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-alt-co-(9-hexyl-3,6-carbazole)]

$M_W = 10\ 000 - 50\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.} = 360\text{ nm}$ (in THF) $\lambda_{PL} = 410\text{ nm}$ (in THF)
 $\lambda_{PL} = 419\text{ nm}$ (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm (Pd)
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Light Yellow Powder

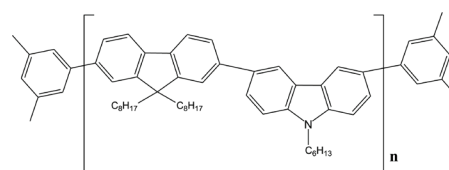
Available

ADS238BE

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(9-hexyl-3,6-carbazole)] – End capped with DMP

$M_W = 25\ 000 - 80\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.} = 364\text{ nm}$ (in THF) $\lambda_{PL} = 412\text{ nm}$ (in THF)
 $\lambda_{PL} = 419\text{ nm}$ (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Light Yellow Powder

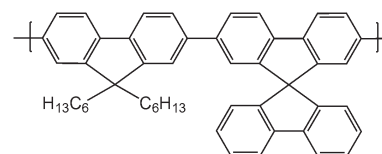
Available

ADS140BE

Poly[(9,9-dihexylfluorenyl-2,7-diyl)-alt-co-(9,9'-spiro-bifluorene-2,7-diyl)]

$M_W = 10\ 000 - 50\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.} = 384\text{ nm}$ (in THF) $\lambda_{PL} = 410\text{ nm}$ (in THF)
 $\lambda_{PL} = \text{N/A nm}$ (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Light Yellow Powder

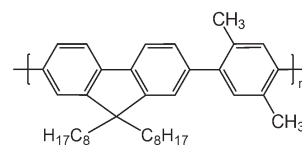
Custom Made

ADS145UV

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(2,5-p-xylene)]

$M_W = 20\,000 - 75\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 353 nm (in THF) λ_{PL} 404 nm (in THF)
 λ_{PL} N/A nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # N/A

Violet emitter

White Powder

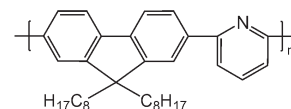
Custom Made

ADS147UV

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-alt-co-(2,6-pyridine)]

$M_W = 10\,000 - 90\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 364 nm (in THF) λ_{PL} 407 nm (in THF)
 λ_{PL} N/A nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # N/A

Violet emitter

White Powder

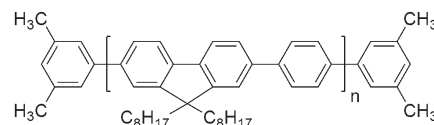
Custom Made

ADS148BE

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(1,4-phenylene)]
 – End capped with DMP

$M_W = 40\,000 - 150\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 377 nm (in THF) λ_{PL} 407 nm (in THF)
 λ_{PL} N/A nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Light Yellow Fibers

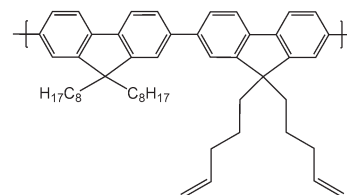
Custom Made

ADS150BE

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-alt-co-(9,9-di-{5'-pentanyl}-fluorenyl-2,7-diyl)]

$M_W = 5\,000 - 50\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 374 nm (in THF) λ_{PL} 413 nm (in THF)
 λ_{PL} N/A nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Light yellow Fibers

Cross-linkable

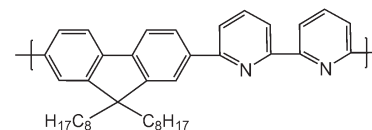
Custom Made

ADS153UV

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-alt-co-(6,6'-{2,2'-bipyridine})]

$M_W = 10\,000 - 100\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 361 nm (in THF) λ_{PL} 367 nm (in THF)
 λ_{PL} 411 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # N/A

Violet emitter

White Powder

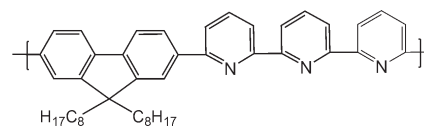
Custom Made

ADS154UV

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-alt-co-(6,6'-{2,2':6',2''-terpyridine})]

$M_W = 10\,000 - 100\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 347 nm (in THF) λ_{PL} 368 nm (in THF)
 λ_{PL} 418 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # N/A

Violet emitter

Off-White Powder

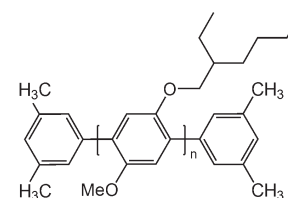
Custom Made

ADS156BE

Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylene] - End capped with DMP

$M_W = 10\,000 - 25\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 326 nm (in THF) λ_{PL} 390 nm (in THF)
 λ_{PL} N/A nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm (Ni)
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Yellow Powder

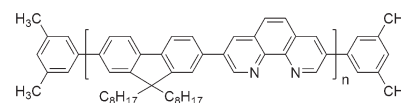
Custom Made

ADS157BE

Poly[(9,9-dioctyl-2,7-fluorenylene)-co-(3,8-phenanthroline)] - End capped with DMP

$M_W = 10\,000 - 40\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 388 nm (in THF) λ_{PL} 411 nm (in THF)
 λ_{PL} 431 nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Dark Yellow Powder

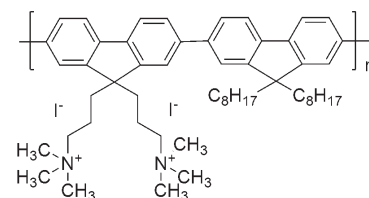
Custom Made

ADS180BE

Poly[(9,9-di(3,3'-N,N'-trimethyl-ammonium)propylfluorenyl-2,7-diyl)-alt-co-(9,9-dioctylfluorenyl-2,7-diyl)] diiodide salt

$M_W = 15\ 000 - 75\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 398 nm (in THF) λ_{PL} 418 nm (in THF)
 λ_{PL} N/A nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm
 Solubility: Methanol



CAS # N/A

Blue emitter

Light Yellow Powder

Alcohol Soluble

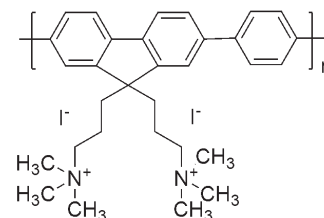
Available

ADS181BE

Poly[(9,9-di(3,3'-N,N'-trimethyl-ammonium)propylfluorenyl-2,7-diyl)-alt-co-(1,4-phenylene)] diiodide salt

$M_W = 15\ 000 - 75\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 379 nm (in THF) λ_{PL} 410 nm (in THF)
 λ_{PL} N/A nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm (Pd)
 Solubility: Water, DMF



CAS # N/A

Blue emitter

Light Yellow Powder

Water Soluble

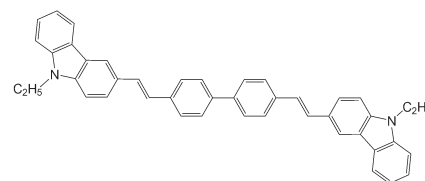
Available

ADS080BE

4,4'-Bis(9-ethyl-3-carbazovinyleno)-1,1'-biphenyl

C₄₄H₃₆N₂ FW 592.79, mp 340 – 345 °C
 $\lambda_{\text{Abs.}}$ 382 nm (in THF), λ_{PL} 433 nm (in THF)
 λ_{PL} 462 nm (film)
 Purity: 95% (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: THF, Note: Low solubility



CAS # N/A

Blue emitter

Light Yellow Powder

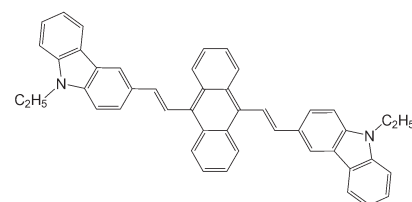
Available

ADS081BE

9,10-Bis[(9-ethyl-3-carbazoyl)-vinylenyl]-anthracene

C₄₆H₃₆N₂ FW 616.81 mp 310 – 315 °C
 $\lambda_{\text{Abs.}}$ 425 nm (in THF), λ_{PL} 540 nm (in THF)
 λ_{PL} 543 nm (film)
 Purity: 95% (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: THF, Note: Low solubility



CAS # N/A

Green emitter

Light Orange Powder

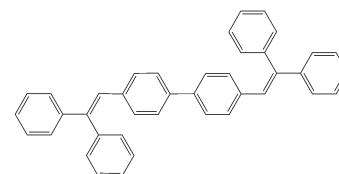
Available

ADS082BE

4,4'-Bis(diphenylvinylenyl)-biphenyl

C₄₀H₃₀ FW 510.69 mp 205 – 210 °C
 $\lambda_{\text{Abs.}}$ 348 nm (in THF), λ_{PL} 437 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: 95% (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Light Yellow Powder

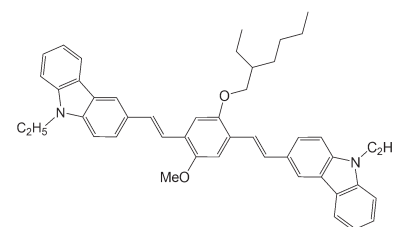
Available

ADS084BE

1,4-Bis(9-ethyl-3-carbazovinyleno)-2-methoxy-5-(2-ethylhexyloxy)benzene

C₄₅H₄₆N₂O₂ FW 646.88 mp 185 – 190 °C
 $\lambda_{\text{Abs.}}$ 411 nm (in THF) λ_{PL} 456 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: 95% (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

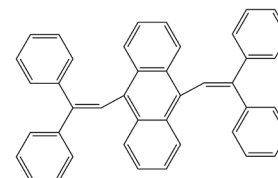
Light Yellow Powder

Available

ADS085BE

4,4'-Bis(diphenylvinylenyl)-anthracene

C₄₂H₃₀ FW 534.70 mp 290 – 294 °C
 $\lambda_{\text{Abs.}}$ 418 nm (in THF), λ_{PL} 500 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: 95% (HPLC)



HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Toluene, THF

CAS # N/A

Blue emitter

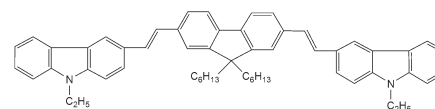
Light Yellow Powder

Available

ADS086BE

2,7-Bis[2-(9-ethylcarbazol-4-yl)vinyl]-9,9-dihexyl-9H-fluorene

C₅₇H₆₀N₂ FW 773.12 mp 206 - 212 °C
 $\lambda_{\text{Abs.}}$ 397 nm (in THF) λ_{PL} 430 and 455 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: 95% (HPLC)



HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Toluene, THF

CAS # N/A

Blue emitter

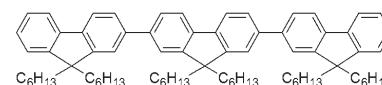
Light Yellow Powder

Available

ADS036FO

9,9,9',9'',9'''-hexakis(hexyl)-2,7';2',7'''-trifluorene

C₇₅H₉₈ FW 999.58 mp N/A
 $\lambda_{\text{Abs.}}$ 360 nm (in THF) λ_{PL} 389 and 410 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: 98% (HPLC)



HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm (Pd)
 Solubility: Toluene, THF

CAS # N/A

Blue emitter

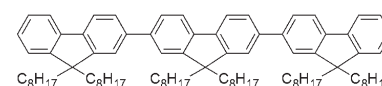
Light Yellow Powder

Available

ADS038FO

9,9,9',9'',9'''-hexakis(octyl)-2,7';2',7'''-trifluorene

C₈₇H₁₂₂ FW 1167.94 mp N/A
 $\lambda_{\text{Abs.}}$ 355 nm (in THF) λ_{PL} 389 and 411 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: 98% (HPLC)



HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm (Pd)
 Solubility: Toluene, THF

CAS # N/A

Blue emitter

Light Yellow Powder

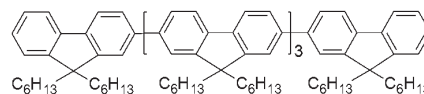
Available

ADS056FO

9,9,9',9',9'',9'',9''',9''',9''''',9''''',9''''''-decakis(hexyl)-2,7';2',7'',2'',7''';2''',7''''-pentafluorene

C₈₇H₁₂₂ FW 1664.62 mp N/A
 $\lambda_{\text{Abs.}}$ 365 nm (in THF) λ_{PL} 405 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: 98% (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm (Pd)
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Light Yellow Powder

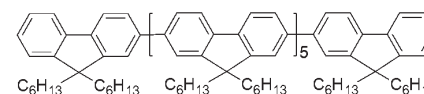
Available

ADS076FO

9,9,9',9',9'',9'',9''',9''',9''''',9''''',9''''''',9''''''',9''''''''-dodecakis(hexyl)-2,7';2',7'',2'',7''';2''',7''''-heptafluorene

C₁₇₅H₂₂₆ FW 2327.77 mp N/A
 $\lambda_{\text{Abs.}}$ 378 nm (in THF) λ_{PL} 405 and 431 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: 96% (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm (Pd)
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Light Yellow Powder

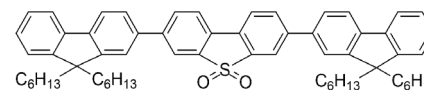
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ADS136FS

3,7-Bis-(9,9-di-n-hexylfluorenyl-2,7-diyl)-dibenzothiophene-S,S-dioxide

C₆₂H₇₂O₂S FW 881.30 mp N/A °C
 $\lambda_{\text{Abs.}}$ 368 nm (in THF) λ_{PL} 413 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: 98% (HPLC)

HOMO: -5.62 (eV), LUMO: -1.97 (eV)
 Metal Content: < 100 ppm (Pd)
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Light Yellow Powder

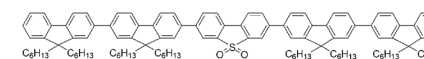
Available

ADS156FS

3,7-Bis[7-(9,9-di-n-hexylfluorenyl-2,7-diyl)]-9,9-di-n-hexylfluorenyl-2-yl] dibenzothiophene-S,S-dioxide

C₁₁₂H₁₃₆O₂S FW 1546.34 mp N/A °C
 $\lambda_{\text{Abs.}}$ 382 nm (in THF) λ_{PL} 432 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: 98% (HPLC)

HOMO: -5.35 (eV), LUMO: -2.01 (eV)
 Metal Content: < 100 ppm (Pd)
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

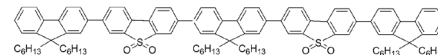
Light Yellow Powder

Available

ADS256FS

2,7-Bis[7-(9,9-di-n-hexylfluorenyl-2,7-diyl) dibenzothiophene-S,S-dioxide-3-yl]-9,9-di-n-hexylfluorene

C₁₀₀H₁₁₄O₄S₂ FW 1444.10 mp N/A °C
λ_{Abs.} 382 nm (in THF) λ_{PL} 432 nm (in THF)
λ_{PL} N/A nm (film)
Purity: 98% (HPLC)



HOMO: -5.61 (eV), LUMO: -2.14 (eV)
Metal Content: < 100 ppm (Pd)
Solubility: Toluene, THF

CAS # N/A

Blue emitter

Light Yellow Powder

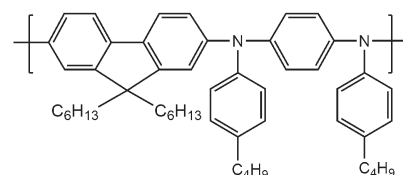
Available

ADS250BE

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

$M_W = 20\,000 - 200\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 398 nm (in THF) λ_{PL} 422 nm (in THF)
 λ_{PL} N/A nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm (Pd)
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Light Yellow Fibers

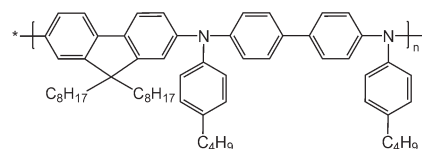
Available

ADS251BE

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

$M_W = 10\,000 - 200\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 396 nm (in THF) λ_{PL} 421 nm (in THF)
 λ_{PL} N/A nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm (Pd)
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Light Yellow Fibers

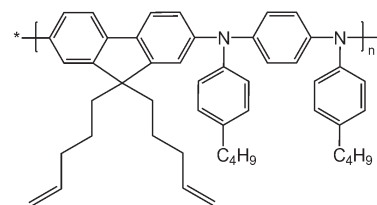
Available

ADS252BE

Poly[(9,9-bis{1'-penten-5'-yl}fluorenyl-2,7-diyl)-alt-co-(N,N'-bis{p-butylphenyl}-1,4-diaminophenylene)]

$M_W = 30\,000 - 200\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 397 nm (in THF) λ_{PL} 425 nm (in THF)
 λ_{PL} N/A nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm (Pd)
 Solubility: Toluene, THF



CAS # N/A

Blue emitter

Light Yellow Fibers

Cross-linkable

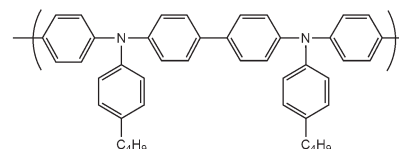
Custom Made

ADS254BE

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

$M_W = 10\,000 - 120\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 374 nm (in THF) λ_{PL} 420 nm (in THF)
 λ_{PL} N/A nm (film)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm (Pd)
 Solubility: Toluene, THF



Poly-TPD

CAS # N/A

Blue emitter

Light Yellow Powder

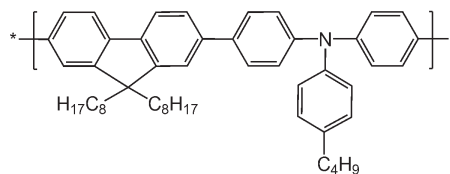
Available

ADS259BE

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

$M_W = 10\ 000 - 200\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.} = 387\text{ nm}$ (in THF) $\lambda_{PL} = 435\text{ nm}$ (in THF)
 $\lambda_{PL} = \text{N/A nm}$ (film)

HOMO: N/A (eV), LUMO: N/A (eV)
Metal Content: < 100 ppm (Ni)
Solubility: Toluene, THF



TFB

CAS # N/A

Blue emitter

Light Yellow Powder

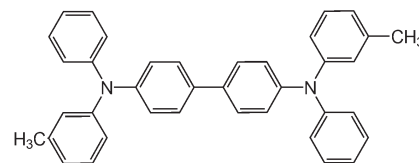
Available

ADS01HTM

N,N'-Bis(3-methylphenyl)-N,N'-bis(phenyl)benzidine

C₃₈H₃₂N₂ FW 516.69 mp 170 - 174 °C
 λ_{Abs.} 352 nm (in THF) λ_{PL} 393 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: 99.5% (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
 Solubility: Toluene, THF



TPD

CAS # 65181-78-4

White Powder

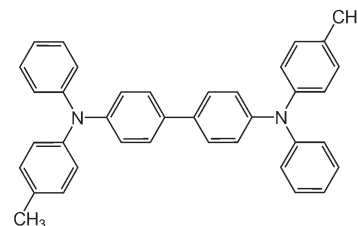
Available

ADS02HTM

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

C₃₈H₃₂N₂ FW 516.69 mp 161 - 165 °C
 λ_{Abs.} 352 nm (in THF) λ_{PL} 393 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: 99.5% (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
 Solubility: Toluene, THF



CAS # N/A

White Powder

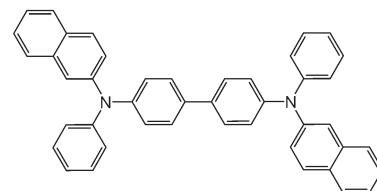
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ADS03HTM

N,N'-bis(2-naphtalenyl)-N,N'-bis(phenyl)benzidine

C₄₄H₃₂N₂ FW 588.76 mp 170 - 173 °C
 λ_{Abs.} 349 nm (in THF) λ_{PL} 412 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: 98% (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
 Solubility: Toluene, THF



β-NPB

CAS # 139255-17-1

White Powder

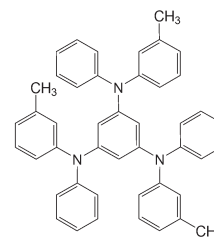
Available

ADS04HTM

1,3,5-Tris(3-methyldiphenylamino)benzene

C₄₅H₃₉N₃ FW 621.83 mp 180 - 190 °C
 λ_{Abs.} 302 nm (in THF) λ_{PL} 367 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: 98% (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
 Solubility: Toluene, THF



CAS # N/A

White Powder

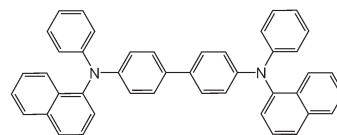
Available

ADS05HTM

N,N'-bis(1-naphtalenyl)-N-N'-bis(phenylbenzidine)

C₄₄H₃₂N₂ FW 588.76 mp 277 - 279 °C
 λ_{Abs} . 339 nm (in THF) λ_{PL} 441 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: 98% (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
 Solubility: Toluene, THF

 **α -NPB**

CAS # 123847-85-8

Light Yellow Powder

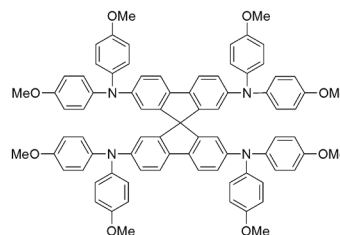
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ADS06HTM

2,2',5,5'-tetra(N-bis(4-methoxyphenyl)amino)spiro-9,9'-bifluorene

C₈₁H₆₈N₄O₈ FW 1225.43 mp 244 - 247 °C
 λ_{Abs} . 386 nm (in THF) λ_{PL} 411 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: 98% (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
 Solubility: Toluene, THF



CAS # N/A

Light Yellow Powder

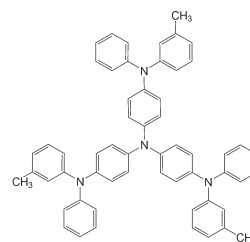
Custom Made

ADS09HTM

4,4',4''-tris(N,N-phenyl-3-methylphenylamino)triphenylamine

C₅₇H₄₈N₄ FW 789.04 mp 204 - 210 °C
 λ_{Abs} . 342 nm (in THF) λ_{PL} 421 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: 98% (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
 Solubility: Toluene, THF



CAS # N/A

Light Yellow Powder

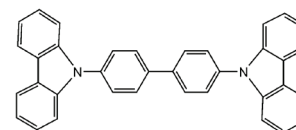
Available

ADS12HTM

4,4',N,N'-Diphenylcarbazole

C₃₆H₂₄N₂ FW 484.61 mp 281 - 285 °C
 λ_{Abs} . 292 and 318 nm (in THF) λ_{PL} 361 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: 98% (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
 Solubility: Toluene, THF



CAS # N/A

White Crystals

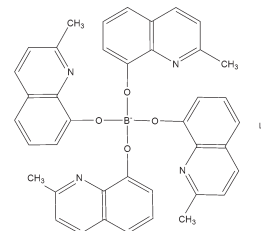
Available

ADS040BE

Lithium tetra(2-methyl-8-hydroxyquinolinato)boron

$C_{40}H_{32}BN_4O_4Li$ FW 650.47 mp 225 - 229 °C
 λ_{Abs} 320 nm (in THF), λ_{PL} 487 nm (in THF),
 λ_{PL} 464 nm (powder)
 Purity: N/A (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: N/A



CAS # N/A

Blue emitter

Light Yellow Powder

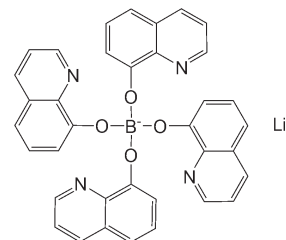
Available

ADS041BE

Lithium tetra(8-hydroxyquinolinato)boron

$C_{36}H_{24}BN_4O_4Li$ FW 594.36 mp 361 - 364 °C
 λ_{Abs} 320 nm (in THF), λ_{PL} 487 nm (in THF),
 λ_{PL} 450 nm (powder)
 Purity: N/A (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: N/A



CAS # N/A

Blue emitter

Light Yellow Powder

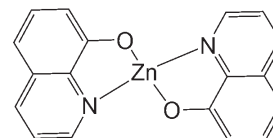
Available

ADS045YE

Bis(8-hydroxyquinolinato)zinc

$C_{18}H_{12}N_2O_2Zn$ FW 353.69 mp 354 - 356 °C
 λ_{Abs} N/A nm (in THF), λ_{PL} 492 nm (film)
 λ_{PL} 450 nm (powder)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: N/A



CAS # N/A

Yellow emitter

Light Yellow Powder

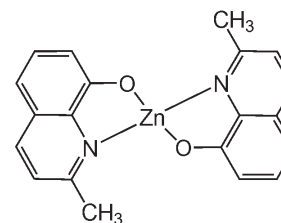
Available

ADS046YE

Bis(2-methyl-8-hydroxyquinolinato)zinc

$C_{20}H_{16}N_2O_2Zn$ FW 381.74 mp 285 - 291 °C
 λ_{Abs} 393 nm (in THF), λ_{PL} 503 nm (in THF)
 λ_{PL} 500 nm (film)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: N/A



CAS # N/A

Yellow emitter

Light Yellow Powder

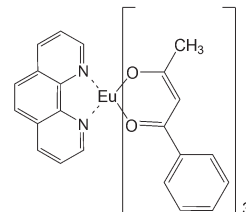
Available

ADS050RE

Tris(dibenzoylacetato)-mono(phenanthroline)-europium (III)

$C_{42}H_{35}N_2O_6Eu$ FW 815.71 mp 347 - 353 °C
 $\lambda_{Abs.}$ 328 nm (in THF), $\lambda_{Abs.}$ 330 nm (film)
 λ_{PL} 608 nm (in THF), λ_{PL} 612 nm (film)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: N/A



CAS # N/A

Red emitter

White Powder

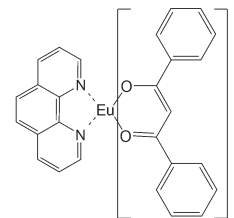
Available

ADS051RE

Tris(dibenzoylmethane)-mono(phenanthroline)-europium (III)

$C_{57}H_{41}N_2O_6Eu$ FW 1001.92 mp 191 - 192 °C
 $\lambda_{Abs.}$ 352 nm (in THF), $\lambda_{Abs.}$ N/A nm (film)
 λ_{PL} 609 nm (in THF), λ_{PL} N/A nm (film)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: N/A



CAS # N/A

Red emitter

White Powder

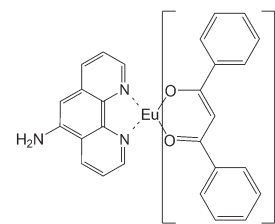
Available

ADS052RE

Tris(dibenzoylmethane)-mono(5-aminophenanthroline)-europium (III)

$C_{57}H_{42}N_3O_6Eu$ FW 1017.94 mp >280 °C (decomp.)
 $\lambda_{Abs.}$ 352 nm (in THF), $\lambda_{Abs.}$ 352 nm (film)
 λ_{PL} 608 nm (in THF), λ_{PL} 612 nm (film)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: N/A



CAS # N/A

Red emitter

Light Yellow Powder

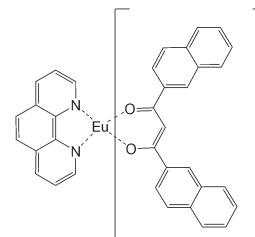
Available

ADS053RE

Tris(di-2-naphthoylmethane)-mono(phenanthroline)-europium (III)

$C_{81}H_{53}N_2O_6Eu$ FW 1303.32 mp 285 - 289 °C
 $\lambda_{Abs.}$ 294 nm (in THF), λ_{PL} 612 nm (in THF),
 λ_{PL} 612 nm (film)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: N/A



CAS # N/A

Red emitter

White Powder

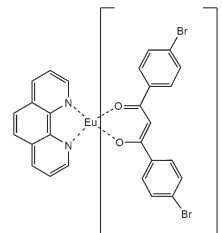
Available

ADS054RE

Tris(4-bromobenzoylmethane)-mono(phenanthroline)-europium (III)

$C_{57}H_{35}N_2O_6BrEu$ FW 1475.30 mp 276 - 281 °C
 $\lambda_{Abs.}$ 356 nm (in THF), λ_{PL} 608 nm (in THF),
 λ_{PL} N/A nm (film)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: N/A



CAS # N/A

Red emitter

Light Yellow Powder

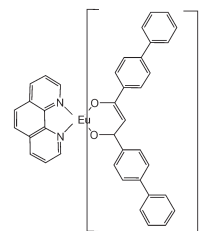
Available

ADS055RE

Tris(dibenzoylmethane)-mono(phenanthroline)-europium (III)

$C_{93}H_{65}N_2O_6Eu$ FW 1458.51 mp 276 - 283 °C
 $\lambda_{Abs.}$ 373 nm (in THF), λ_{PL} 610 nm (in THF),
 λ_{PL} N/A nm (film)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: N/A



CAS # N/A

Red emitter

White Powder

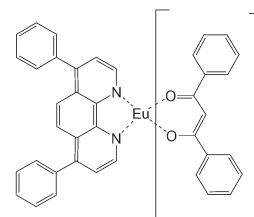
Available

ADS056RE

Tris(dibenzoylmethane)-mono(4,7-diphenylphenanthroline)-europium (III)

$C_{69}H_{49}N_2O_6Eu$ FW 1154.12 mp > 210 °C
 $\lambda_{Abs.}$ 353 nm (in THF), λ_{PL} 609 nm (in THF),
 λ_{PL} N/A nm (film)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: N/A



CAS # N/A

Red emitter

White Powder

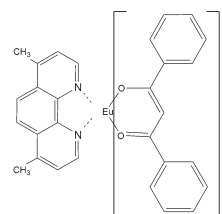
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ADS057RE

Tris(dibenzoylmethane)-mono(4,7-dimethylphenanthroline)-europium (III)

$C_{59}H_{45}N_2O_6Eu$ FW 1030.02 mp 260 - 265 °C
 $\lambda_{Abs.}$ 354 nm (in THF), λ_{PL} 608 nm (in THF),
 λ_{PL} N/A nm (film)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: N/A



CAS # N/A

Red emitter

White Powder

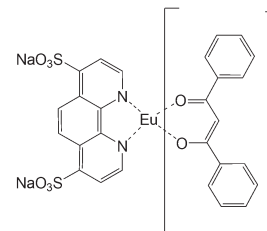
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ADS060RE

Tris(dibenzoylmethane)-mono(4,7-dimethylphenanthroline disulfonic acid)europium (III) disodium salt

$C_{57}H_{42}N_2O_{12}S_2EuNa_2$ FW 1208.95 mp > 500 °C
 $\lambda_{Abs.}$ 352 nm (in THF), λ_{PL} 608 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: N/A



CAS # N/A

Red emitter

White Powder

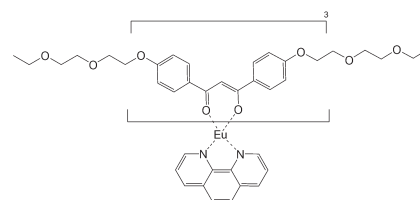
Available

ADS061RE

Tris[di(4-(2-(2-ethoxyethoxy)ethoxy)benzoylmethane)] mono(phenanthroline)europium (III)

$C_{93}H_{117}N_2O_{24}Eu$ FW 1798.96 mp > 350 °C
 $\lambda_{Abs.}$ 362 nm (in THF), λ_{PL} 612 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: N/A



CAS # N/A

Red emitter

Light Yellow Powder

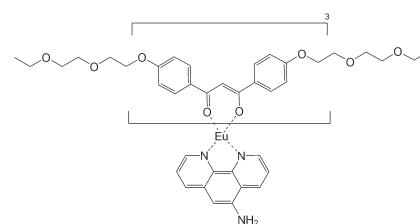
Custom Made

ADS062RE

Tris[di(4-(2-(2-ethoxyethoxy)ethoxy)benzoyl methane)] mono(5-aminophenanthroline)europium (III)

$C_{93}H_{118}N_3O_{24}Eu$ FW 1813.98 mp > 350 °C
 $\lambda_{Abs.}$ 359 nm (in THF), λ_{PL} 608 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: N/A



CAS # N/A

Red emitter

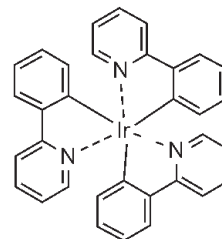
White Powder

Custom Made

ADS060GE

Tris(2-phenylpyridine)iridium (III)

$C_{33}H_{24}N_3Ir$ FW 654.82 mp >320 °C (decomp.)
 $\lambda_{Abs.}$ 377 nm (in THF), $\lambda_{Abs.}$ 381 nm (film),
 λ_{PL} 505 nm (in THF), λ_{PL} 512 nm (film)
 Purity: N/A



HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: N/A

CAS # N/A

Green emitter

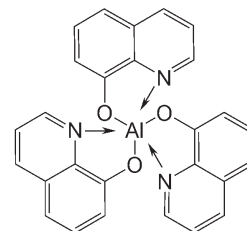
Yellow Powder

Available

ADS061GE

Tris(8-hydroxyquinolato)aluminum (III)

$C_{27}H_{18}N_3O_3Al$ FW 458.98 mp 420 °C (sublime.)
 $\lambda_{Abs.}$ 393 nm (in THF), $\lambda_{Abs.}$ 356 nm (film),
 λ_{PL} 511 nm (in THF), λ_{PL} 510 nm (film)
 Purity: Sublimed



HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: THF

Alq₃

CAS # 2085-33-8

Green emitter

White Powder

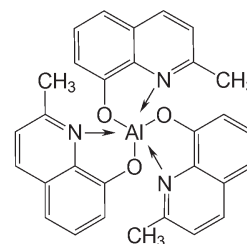
Sublimed

Available

ADS062GE

Tris(2-methyl-8-hydroxyquinolato)aluminum (III)

$C_{30}H_{24}N_3O_3Al$ FW 501.51 mp N/A °C
 $\lambda_{Abs.}$ N/A nm (in THF), $\lambda_{Abs.}$ N/A nm (film),
 λ_{PL} N/A nm (in THF), λ_{PL} N/A nm (film)
 Purity: N/A



HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: THF

CAS # N/A

Green emitter

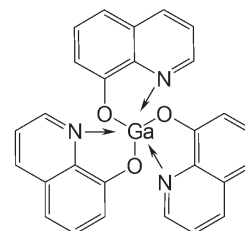
White Powder

Custom Made

ADS063GE

Tris(8-hydroxyquinolato)gallium (III)

$C_{27}H_{18}N_3O_3Ga$ FW 501.72 mp N/A
 $\lambda_{Abs.}$ 393 nm (in THF), λ_{PL} 530 nm (in THF)
 λ_{PL} 523 nm (film)
 Purity: N/A



HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: THF

Gaq₃

CAS # N/A

Green emitter

White Powder

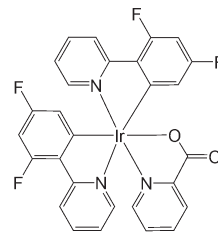
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ADS065BE

Iridium (III) bis(2-(4,6-difluorophenyl)pyridinato-N,C2')picolinate

$C_{28}H_{16}F_4N_3O_2Ir$ FW 694.67 mp 347 - 353 °C (sublimes)
 $\lambda_{Abs.}$ 256 nm (in THF), $\lambda_{Abs.}$ 299 nm (film),
 λ_{PL} 465 nm (in THF), λ_{PL} 468 nm (film)
 Purity: 90% (NMR)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: THF



CAS # N/A

Blue emitter

Yellow Powder

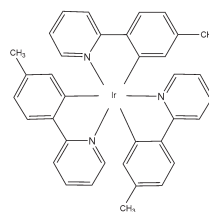
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ADS066GE

Iridium (III) tris(2-(4-tolyl)pyridinato-N,C2')

$C_{36}H_{30}N_3Ir$ FW 696.87 mp >370 °C (decomp.)
 $\lambda_{Abs.}$ 294 and 374 nm (in THF), $\lambda_{Abs.}$ N/A nm (film),
 λ_{PL} 505 nm (THF)
 Purity: 90% (NMR)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: THF



CAS # N/A

Green emitter

Yellow Powder

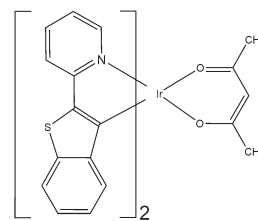
Available

ADS067RE

Iridium (III) bis(2-(2'-benzothienyl)pyridinato-N,C3')(acetylacetonate)

$C_{31}H_{23}N_2O_2S_2Ir$ FW 711.87 mp 361 - 366 °C
 $\lambda_{Abs.}$ 336, 486 nm (in THF), $\lambda_{Abs.}$ 495 nm (film)
 λ_{PL} 605 nm (in THF), λ_{PL} 611 nm (film)
 Purity: 90% (NMR)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: THF



CAS # N/A

Red emitter

Red Powder

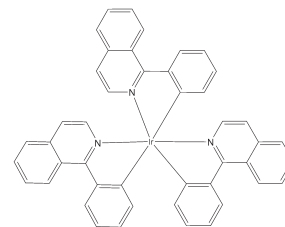
Custom Made

ADS068RE

Iridium (III) Tris(1-phenylisoquinoline)

$C_{45}H_{30}N_3Ir$ FW 804.98 mp 441 - 446 °C (sublimes)
 $\lambda_{Abs.}$ 321 nm, 425 nm (in THF), $\lambda_{Abs.}$ N/A nm (film)
 λ_{PL} 613 nm (in THF), λ_{PL} N/A nm (film)
 Purity: 90% (NMR)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: THF



CAS # N/A

Red emitter

Red Powder

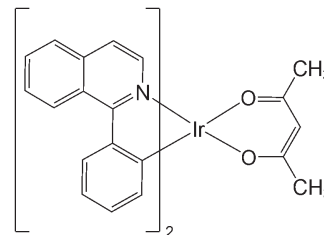
Available

ADS069RE

Iridium (III) Bis(1-phenylisoquinoline) (acetylacetonate)

$C_{35}H_{30}N_2O_2Ir$ FW 702.84 mp 370 - 380 °C
 $\lambda_{Abs.}$ 343 and 482 nm (in THF), λ_{PL} . 620 nm (in THF)
 Purity: 90% (NMR)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: THF



CAS # N/A

Red emitter

Red Powder

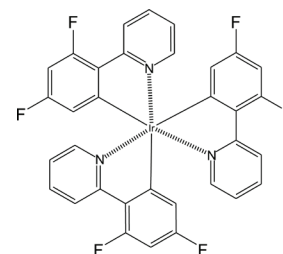
Available

ADS070BE

Tris(2-(2,4-difluorophenyl)pyridine)iridium (III)

$C_{33}H_{18}F_6IrN_3$ FW 762.72 mp 425 °C
 $\lambda_{Abs.}$ 347 nm (in THF), λ_{PL} . 471 nm (in THF)
 Purity: 90% (NMR)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: THF



CAS # N/A

Red emitter

Yellow Powder

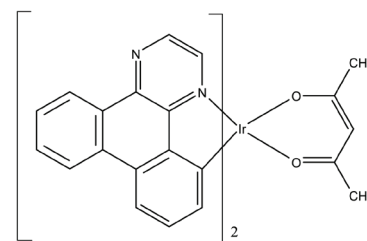
Available

ADS075RE

Iridium (III) bis(dibenzo[f,h]quinoxaline) (acetylacetonate)

$C_{37}H_{28}N_4O_2Ir$ FW 752.86 mp 410 - 420 °C
 $\lambda_{Abs.}$ 374 nm (in THF), λ_{PL} 610 nm (in THF)
 Purity: 90% (NMR)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: THF



CAS # N/A

Red emitter

Red Powder

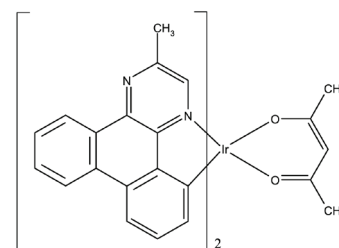
Custom Made

ADS076RE

Iridium (III) bis(2-methyldibenzo[f,h]quinoxaline) (acetylacetonate)

$C_{39}H_{32}N_2O_2S_2Ir$ FW 780.92 mp > 420 °C (sublimes)
 $\lambda_{Abs.}$ 372 nm (in THF), $\lambda_{Abs.}$ 610 nm (in THF)
 Purity: 90% (NMR)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: THF



CAS # N/A

Red emitter

Red Powder

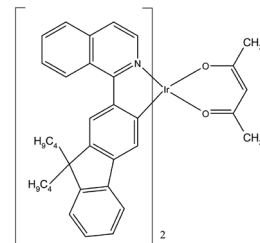
Available

ADS077RE

Bis(2-(9,9-dibutylfluorenyl)-1-isoquinoline (acetylacetonate)

$C_{65}H_{67}IrN_2O_2$ FW 1103.49 mp 374 - 384 °C
 $\lambda_{Abs.}$ 366 nm (in THF) $\lambda_{Abs.}$ N/A nm (film)
 λ_{PL} 647 nm (in THF) λ_{PL} N/A nm (film)
 Purity: 90% (NMR)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Toluene, THF



CAS # N/A

Red emitter

Red Powder

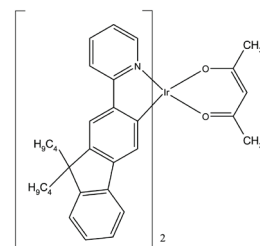
Available

AD078GE

Bis(2-(9,9-dihexylfluorenyl)-1-pyridine)(acetylacetonate)iridium (III)

$C_{57}H_{63}IrN_2O_2$ FW 1115.59 mp > 350 °C
 $\lambda_{Abs.}$ 294 nm (in THF) $\lambda_{Abs.}$ N/A nm (film)
 λ_{PL} 540 nm (in THF) λ_{PL} N/A nm (film)
 Purity: 90% (NMR)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Toluene, THF



CAS # N/A

Green emitter

Orange Powder

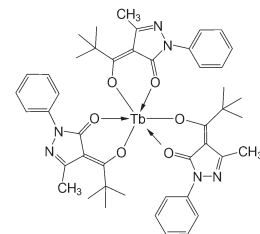
Available

ADS090GE

Tris(3-methyl-1-phenyl-4-trimethyl-acetyl-5-pyrazoline)terbium (III)

$C_{45}H_{51}N_6O_6Tb$ FW 930.86 mp 268 - 272 °C
 $\lambda_{Abs.}$ 294 nm (in THF) $\lambda_{Abs.}$ N/A nm (film)
 λ_{PL} 540 nm (in THF) λ_{PL} N/A nm (film)
 Purity: 90% (NMR)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: THF



CAS # N/A

Green emitter

White Powder

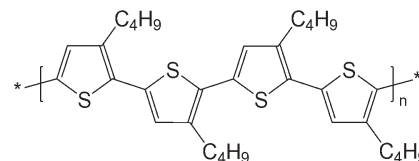
Custom Made

ADS304PT

Poly[3-butylthiophene-2,5-diyl] Regio-Regular

$M_W = 10\ 000 - 40\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 442 nm (in THF) λ_{PL} 514 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: 95-98% regio-regular (NMR)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm (Ni)
 Solubility: THF, Diethylether (Low solubility)

**P3BT**

CAS # 98837-51-5

Gray Powder

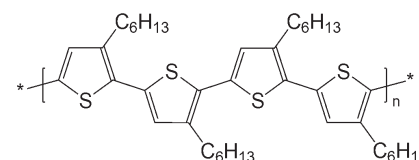
Custom Made

ADS306PT

Poly[3-hexylthiophene-2,5-diyl] Regio-Regular

$M_W = 20\ 000 - 70\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 442 nm (in THF) λ_{PL} 564 nm (in THF)
 λ_{PL} 642 nm (film)
 Purity: 95-98% regio-regular (NMR)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm (Ni)
 Solubility: Dichlorobenzene, Toluene

**P3HT**

CAS # 104934-50-1

Red-Green Fibers

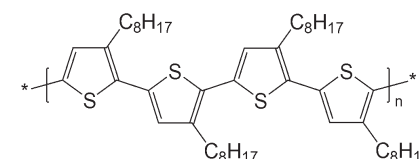
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ADS308PT

Poly[3-octylthiophene-2,5-diyl] Regio-Regular

$M_W = 20\ 000 - 70\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 442 nm (in THF) λ_{PL} 564 nm (in THF)
 λ_{PL} 642 nm (film)
 Purity: 95-98% regio-regular (NMR)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm (Ni)
 Solubility: Dichlorobenzene, Toluene

**P3OT**

CAS # 104934-51-2

Red-Green Fibers

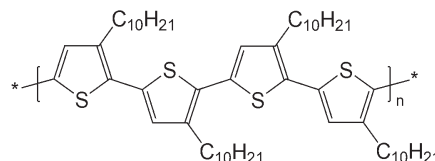
Available

ADS310PT

Poly[3-decylthiophene-2,5-diyl] Regio-Regular

$M_W = 20\ 000 - 50\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 442 nm (in THF) λ_{PL} 564 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: 95-98% regio-regular (NMR)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm (Ni)
 Solubility: Dichlorobenzene, Toluene

**P3DT**

CAS # 110851-65-5

Red-Green Fibers

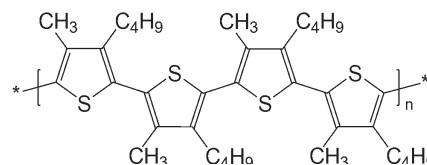
Custom Made

ADS404PT

Poly[3-methyl-4-butylthiophene-2,5-diyl] Regio-Regular

$M_W = 30\,000 - 100\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 325 nm (in THF) λ_{PL} 470 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Dichlorobenzene, Toluene (Low solubility)



CAS # N/A

Pale Fibers

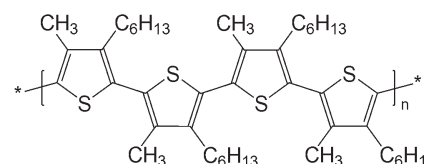
Custom Made

ADS406PT

Poly[3-methyl-4-hexylthiophene-2,5-diyl] Regio-Regular

$M_W = 30\,000 - 100\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 325 nm (in THF) λ_{PL} 470 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Dichlorobenzene, Toluene



CAS # N/A

Dark Red Fibers

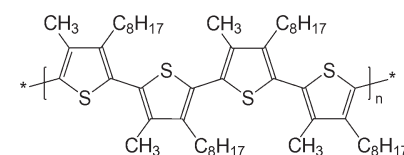
Available

ADS408PT

Poly[3-methyl-4-octylthiophene-2,5-diyl] Regio-Regular

$M_W = 30\,000 - 100\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 325 nm (in THF) λ_{PL} 473 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Dichlorobenzene, Toluene



CAS # N/A

Yellowish Fibers

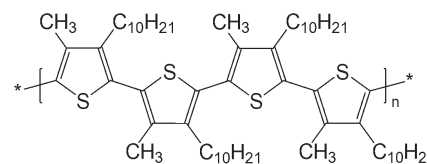
Available

ADS410PT

Poly[3-methyl-4-decylthiophene-2,5-diyl] Regio-Regular

$M_W = 30\,000 - 100\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 325 nm (in THF) λ_{PL} 470 nm (in THF)
 λ_{PL} N/A nm (film)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Dichlorobenzene, Toluene



CAS # N/A

Yellowish Gum

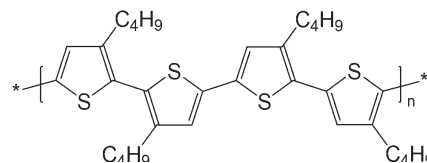
Custom Made

ADS504PT

Poly[3-butylthiophene-2,5-diyl] Regio-Random

$M_W = 30\,000 - 100\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 445 nm (in THF) λ_{PL} 567 nm (in THF)
 λ_{PL} 644 nm (film)
 Purity: Regio-Random

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: THF, Diethylether (Low solubility)

**P3BT**

CAS # 98837-51-5

Dark Brown Powder

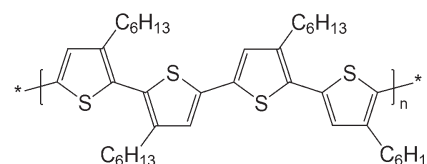
Available

ADS506PT

Poly[3-hexylthiophene-2,5-diyl] Regio-Random

$M_W = 30\,000 - 100\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 445 nm (in THF) λ_{PL} 567 nm (in THF)
 λ_{PL} 644 nm (film)
 Purity: Regio-Random

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Dichlorobenzene, Toluene

**P3HT**

CAS # 104934-50-1

Dark Brown Powder

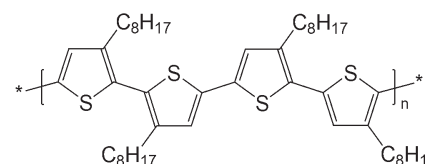
Available

ADS508PT

Poly[3-octylthiophene-2,5-diyl] Regio-Random

$M_W = 30\,000 - 100\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 445 nm (in THF) λ_{PL} 567 nm (in THF)
 λ_{PL} 644 nm (film)
 Purity: Regio-Random

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Dichlorobenzene, Toluene

**P3OT**

CAS # 104934-51-2

Dark Brown Powder

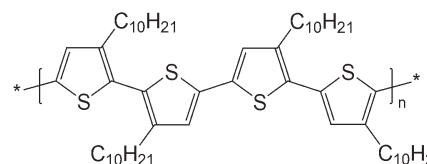
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ADS510PT

Poly[3-decylthiophene-2,5-diyl] Regio-Random

$M_W = 30\,000 - 100\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.}$ 445 nm (in THF) λ_{PL} 567 nm (in THF)
 λ_{PL} 644 nm (film)
 Purity: Regio-Random

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Dichlorobenzene, Toluene

**P3DT**

CAS # 110851-65-5

Dark Brown Powder

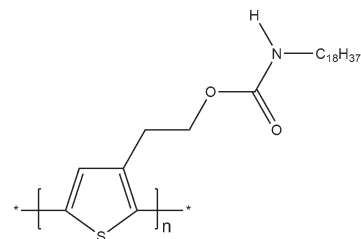
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ADS518PT

Poly[3-(2-ethyl-isocyanato-octadecanyl)thiophene]

$M_W = 80\,000 - 300\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.} = 418\text{ nm}$ (in THF) $\lambda_{Abs.} = 470\text{ nm}$ (film)
 $\lambda_{PL} = 595\text{ nm}$ (film)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Dichlorobenzene, Toluene, THF



CAS # N/A

Dark Red Fibers

Thermo-chromic

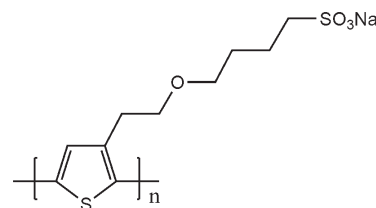
Available

ADS2000P

Poly[2-(3-thienyl)ethoxy-4-butylyl sulfonate] sodium salt

$M_W = 80\,000 - 1\,000\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.} = 457\text{ nm}$ (pH > 7), $\lambda_{Abs.} = 770\text{ nm}$ (pH < 7)
 $\lambda_{PL} = 575\text{ nm}$ (pH > 7), $\lambda_{PL} = 566\text{ nm}$ (pH < 7)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Water



CAS # N/A

Black Powder

Water Soluble

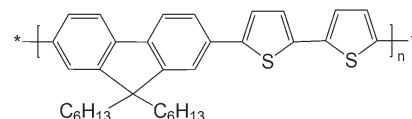
Available

ADS2006P

Poly[(9,9-dihexylfluorenyl-2,7-diyl)-alt-co-(bithiophene)]

$M_W = 10\,000 - 100\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.} = 451\text{ nm}$ (in THF) $\lambda_{Abs.} = 457\text{ nm}$ (film)
 $\lambda_{PL} = 495\text{ nm}$ (in THF), $\lambda_{PL} = 552\text{ nm}$ (film)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm (Pd)
 Solubility: Toluene, THF



CAS # N/A

Blue Emitter

Light Yellow Powder

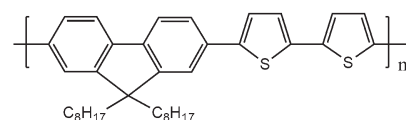
Available

ADS2008P

Poly[(9,9-dioctylfluorenyl-2,7-diyl)-alt-co-(bithiophene)]

$M_W = 10\,000 - 100\,000$ (GPC vs Polystyrene)
 $\lambda_{Abs.} = 454\text{ nm}$ (in THF) $\lambda_{Abs.} = \text{N/A nm}$ (film)
 $\lambda_{PL} = 495\text{ nm}$ (in THF), $\lambda_{PL} = 552\text{ nm}$ (film)
 Purity: N/A

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: < 100 ppm (Pd)
 Solubility: Toluene, THF



CAS # N/A

Blue Emitter

Yellow Fibers

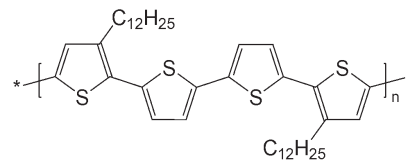
Available

ADS12PQT

Poly(3,3'''-didodecyl quarter thiophene)

$M_w = 15\ 000 - 50\ 000$ (GPC vs Polystyrene)
 $\lambda_{Abs.} 464\text{ nm}$ (in THF) $\lambda_{Abs.}$ N/A nm (film)
 $\lambda_{PL} 561\text{ nm}$ (in THF), $\lambda_{PL} 617\text{ nm}$ (film)
Purity: N/A

HOMO: -5.24 (eV), LUMO: -2.97 (eV)
Metal Content: < 100 ppm (Pd)
Solubility: Dichlorobenzene, Toluene, THF



CAS # N/A

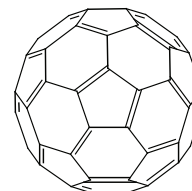
Dark Red Fibers

Available

ADS60BFA

Fullerene-C60

C₆₀ FW 720.64 mp N/A
 $\lambda_{\text{Abs.}}$ 320 nm (Toluene)
 λ_{PL} N/A nm
 Purity: 99.95% (HPLC)



HOMO: N/A (eV), LUMO: N/A (eV), Band Gap: 1.7 (eV)
 Metal Content: N/A
 Solubility: 3.5 g/L Toluene, Dichlorobenzene

BuckyBall

CAS # 99685-96-8

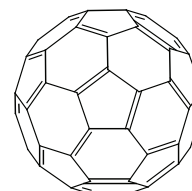
Black Powder

Available

ADS60BFB

Fullerene-C60

C₆₀ FW 720.64 mp N/A
 $\lambda_{\text{Abs.}}$ 320 nm (Toluene)
 λ_{PL} N/A nm
 Purity: 99.9% (HPLC)



HOMO: N/A (eV), LUMO: N/A (eV), Band Gap: 1.7 (eV)
 Metal Content: N/A
 Solubility: 3.5 g/L Toluene, Dichlorobenzene

BuckyBall

CAS # 99685-96-8

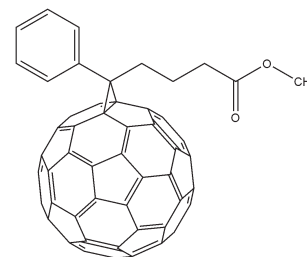
Dark Gray Powder

Available

ADS61BFA

[6,6]-Phenyl-C61 butyric acid methyl ester

C₇₂H₁₄O₂ FW 910.88 mp N/A
 $\lambda_{\text{Abs.}}$ 341, 535 nm (Toluene)
 λ_{PL} N/A nm
 Purity: 99.5% (HPLC), 98% [6,6]-Isomer (NMR)



HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: 35 g/L Toluene, Dichlorobenzene

C60-PCBM

CAS # 161196-25-4

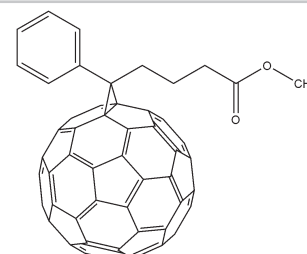
Black Powder

Available

ADS61BFB

[6,6]-Phenyl-C61 butyric acid methyl ester

C₇₂H₁₄O₂ FW 910.88 mp N/A
 $\lambda_{\text{Abs.}}$ 341, 535 nm (Toluene)
 λ_{PL} N/A nm
 Purity: 99% (HPLC)



HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: 35 g/L Toluene, Dichlorobenzene

C60-PCBM

CAS # 161196-25-4

Black Powder

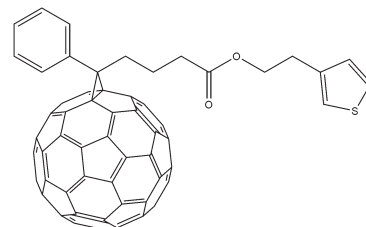
Available

ADS64BFA

[6,6]-Phenyl-C61 butyric acid (3-ethylthiophene) ester

C₇₂H₁₄O₂ FW 910.88 mp N/A
 $\lambda_{\text{Abs.}}$ 342 nm (Toluene)
 λ_{PL} N/A nm
 Purity: 99% (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Toluene, Dichlorobenzene



CAS # N/A

Brown Powder

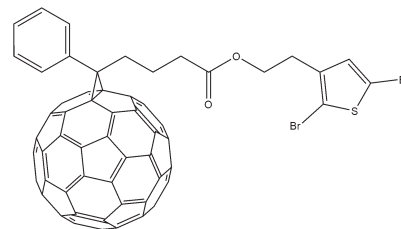
Available

ADS65BFA

[6,6]-Phenyl-C61 butyric acid (2,5-dibromo-3-ethylthiophene) ester

C₇₂H₁₄O₂ FW 910.88 mp N/A
 $\lambda_{\text{Abs.}}$ 335 nm (Toluene)
 λ_{PL} N/A nm
 Purity: 99% (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Toluene, Dichlorobenzene



CAS # N/A

Brown Powder

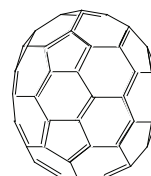
Available

ADS70BFA

Fullerene-C70

C₇₀ FW 840.75 mp N/A
 $\lambda_{\text{Abs.}}$ 320 nm (Toluene)
 λ_{PL} N/A nm
 Purity: 99% (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Toluene, Dichlorobenzene



BuckyBall

CAS # 115383-22-7

Dark Gray Powder

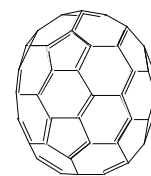
Available

ADS70BFB

Fullerene-C70

C₇₀ FW 840.75 mp N/A
 $\lambda_{\text{Abs.}}$ 320 nm (Toluene)
 λ_{PL} N/A nm
 Purity: 95% (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
 Metal Content: N/A
 Solubility: Toluene, Dichlorobenzene



BuckyBall

CAS # 115383-22-7

Dark Gray Powder

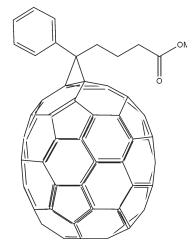
Available

ADS71BFA

[6,6]-Phenyl-C71 butyric acid methyl ester

$C_{82}H_{14}O_2$ FW 1031.98 mp N/A
 $\lambda_{Abs.}$ 373, 463 nm (Toluene)
 λ_{PL} N/A nm
Purity: 99% (HPLC)

HOMO: N/A (eV), LUMO: N/A (eV)
Metal Content: N/A
Solubility: Toluene, Dichlorobenzene

**C70-PCBM**

CAS # N/A

Black Powder

Available

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