



ORGANICA

Feinchemie GmbH Wolfen

**Fine Chemicals
made in Germany**

Functional Dyes
2010

High-Chem made by ORGANICA

High standards in science and technology and the close co-operation with customers have lead ORGANICA, a manufacturer of traditional photographic and fine chemicals, to the newest areas in the pharmaceutical industry.

Founded in 1995, ORGANICA, headed by its managing director Dr. Bodo Schulze,

concentrated right from its beginning on the synthesis of high quality and highly refined organic chemicals.

With its own R&D labs, as well as with a pilot and multiple purpose plant and a cGMP Kilo-Lab, the company is open for any enquiries by its customers.

Product groups | Applications

- Custom and toll manufacturing
- Fine chemicals
- Pharmaceutical intermediates
- Life-science products
- Chiral compounds
- Functional dyes
- Chemicals for opto-electronic
- Photochemicals
- Chemicals for galvanic applications



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$\lambda_{\max} = 321 \text{ nm} \mid 337 \text{ nm}$

Code 17041

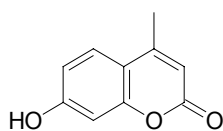
CAS No. 90-33-5

Chemical Name

7-Hydroxy-4-methylcoumarin (Coumarin 4)

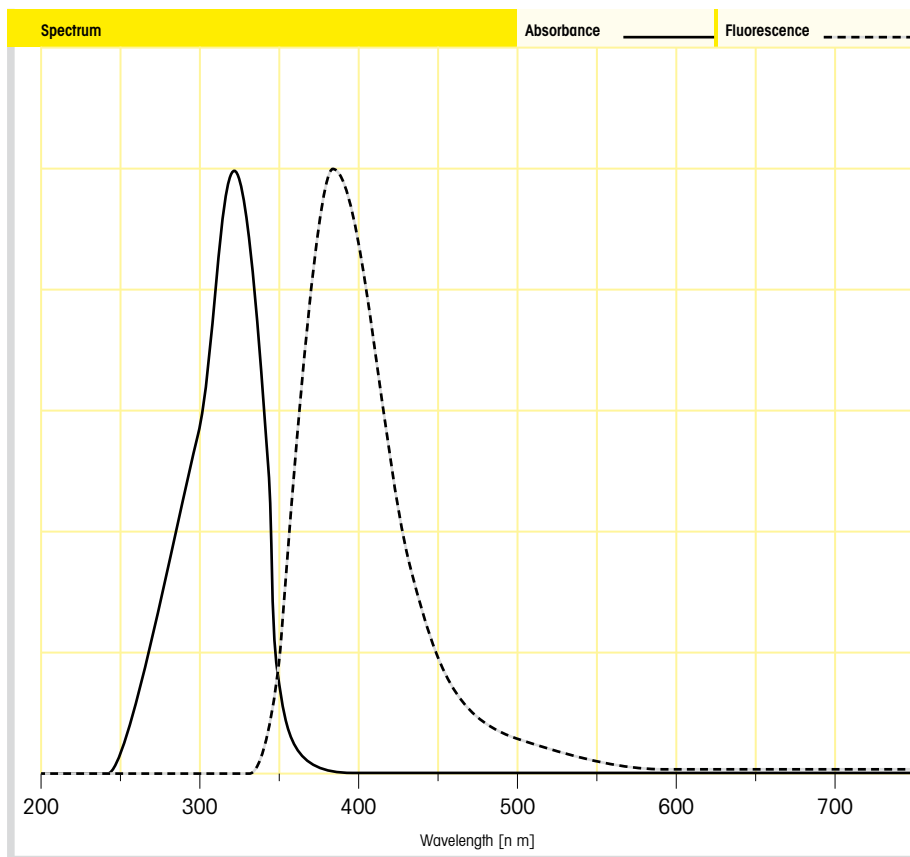
Molecular Formula C₁₀H₈O₃

Molecular Structure



Absorption max. 321 nm

Application



Code 33870

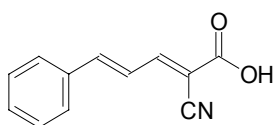
CAS No. 24139-57-9

Chemical Name

alpha-Cyano-5-phenyl-2,4-pentadienic acid

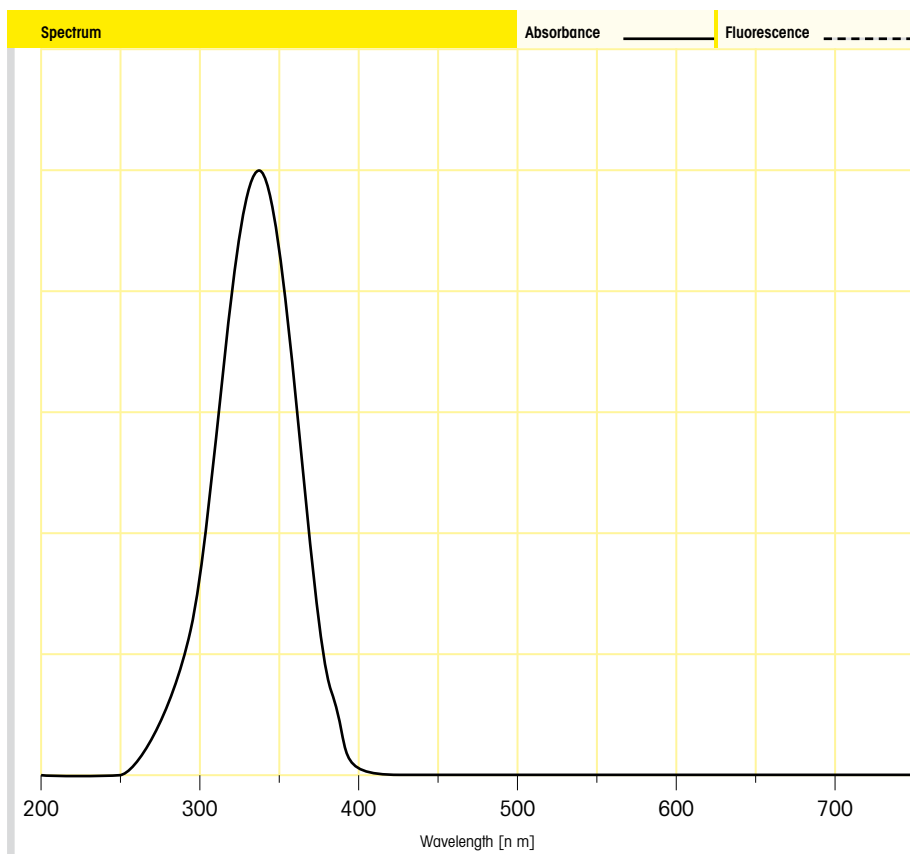
Molecular Formula C₁₂H₉NO₂

Molecular Structure



Absorption max. 337 nm

Application



Code 33900

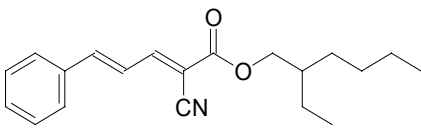
CAS No. 131512-74-8

Chemical Name

2-Ethylhexyl alpha-cyano-5-phenyl-2,4-pentadienoate

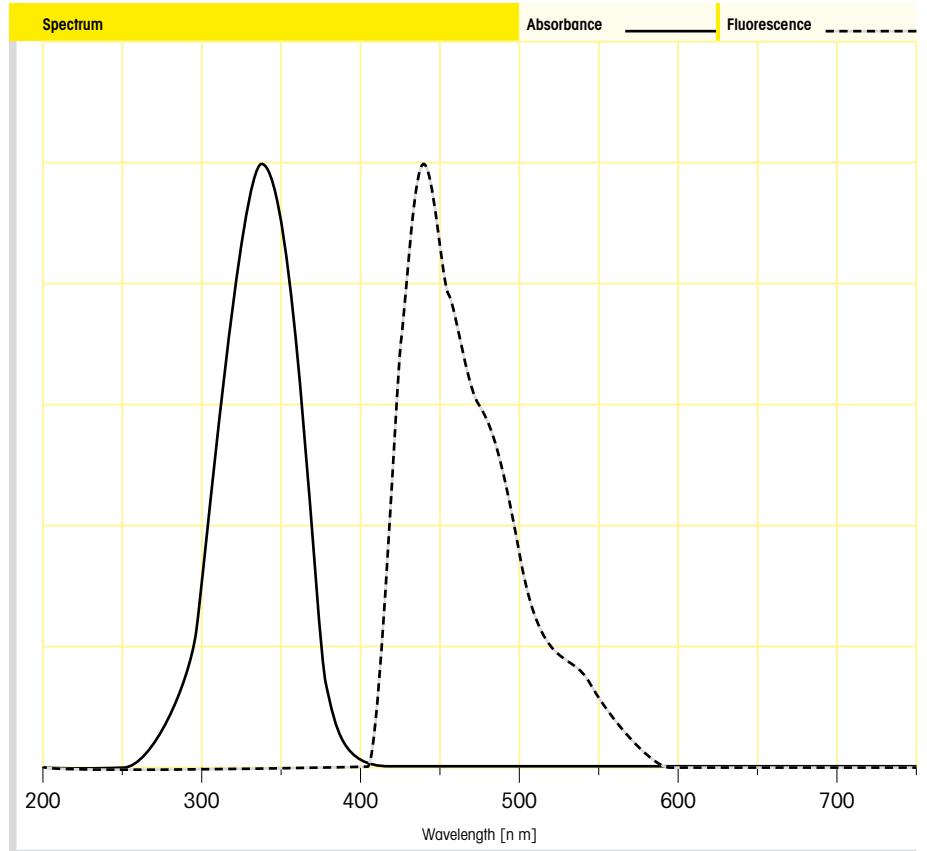
Molecular Formula C₂₀H₂₅NO₂

Molecular Structure



Absorption max. 346 nm

Application



Code 36780

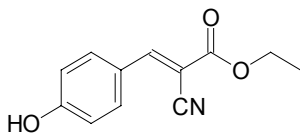
CAS No. 6935-44-0

Chemical Name

Ethyl-alpha-cyano-4-hydroxycinnamate

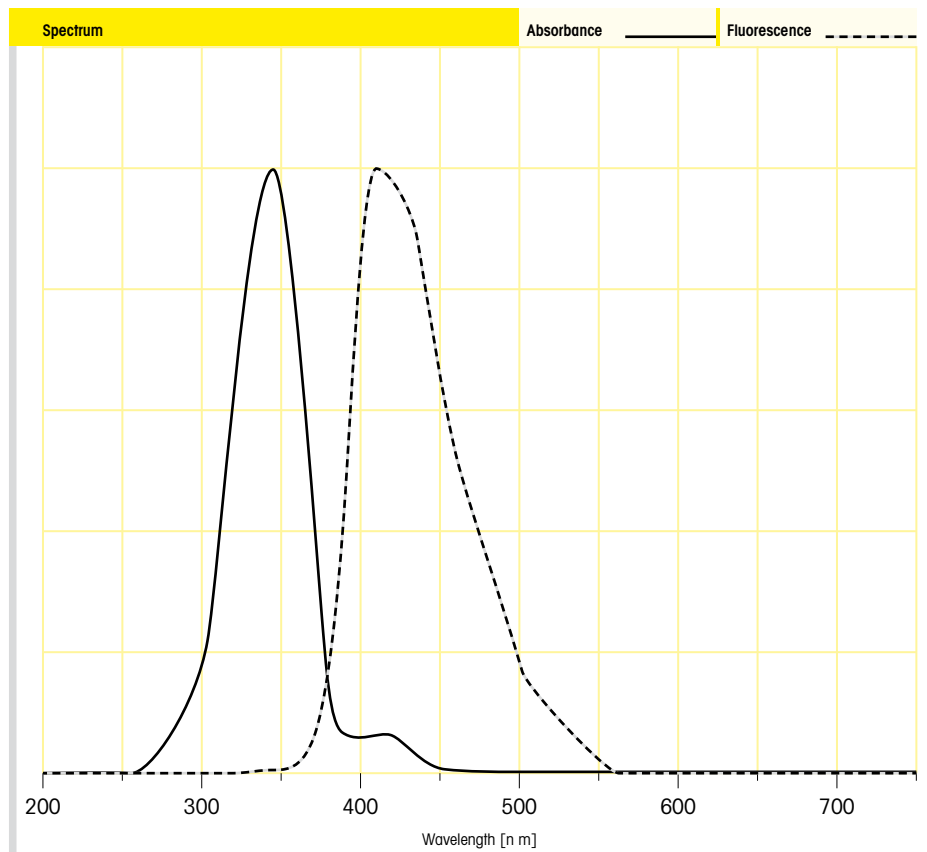
Molecular Formula C₁₂H₁₁NO₃

Molecular Structure



Absorption max. 347 nm

Application



$\lambda_{\max} = 357 \text{ nm} \mid 360 \text{ nm}$

Code 36810

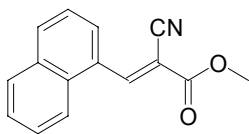
CAS No. 115324-57-7

Chemical Name

Methyl- α -cyano- β -(1-naphthyl)acrylate

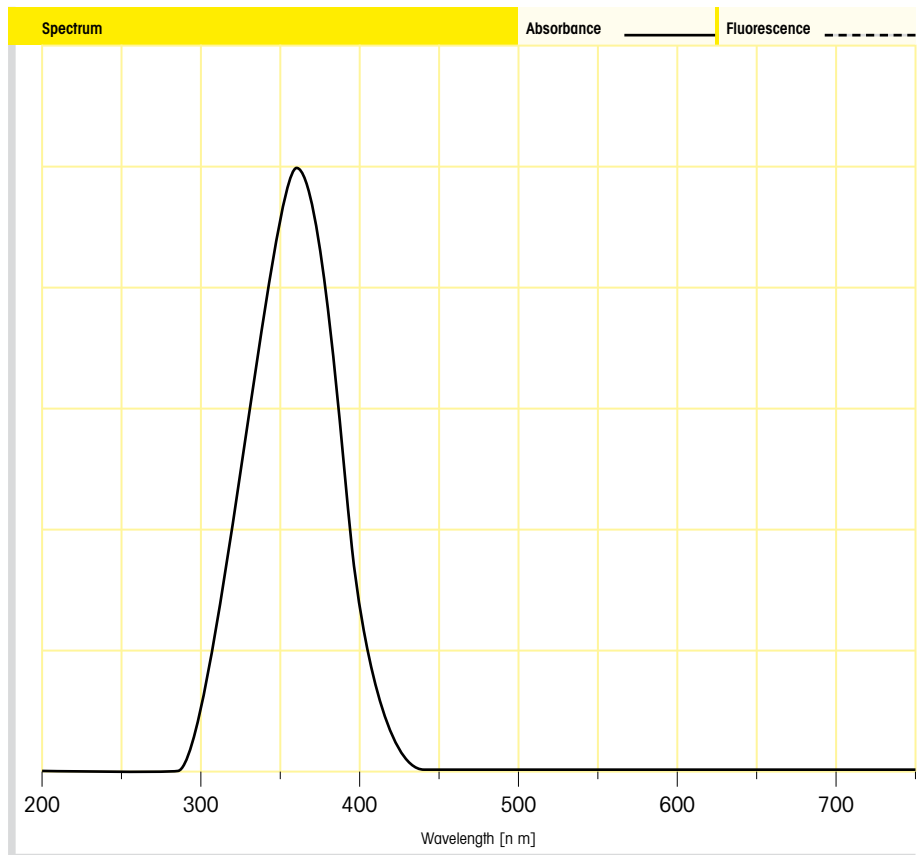
Molecular Formula C₁₅H₁₁NO₂

Molecular Structure



Absorption max. 357 nm

Application 



Code 33790

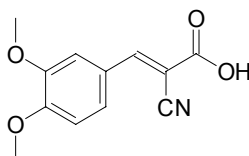
CAS No. 86213-20-9

Chemical Name


α -Cyano-3,4-dimethoxycinnamic acid

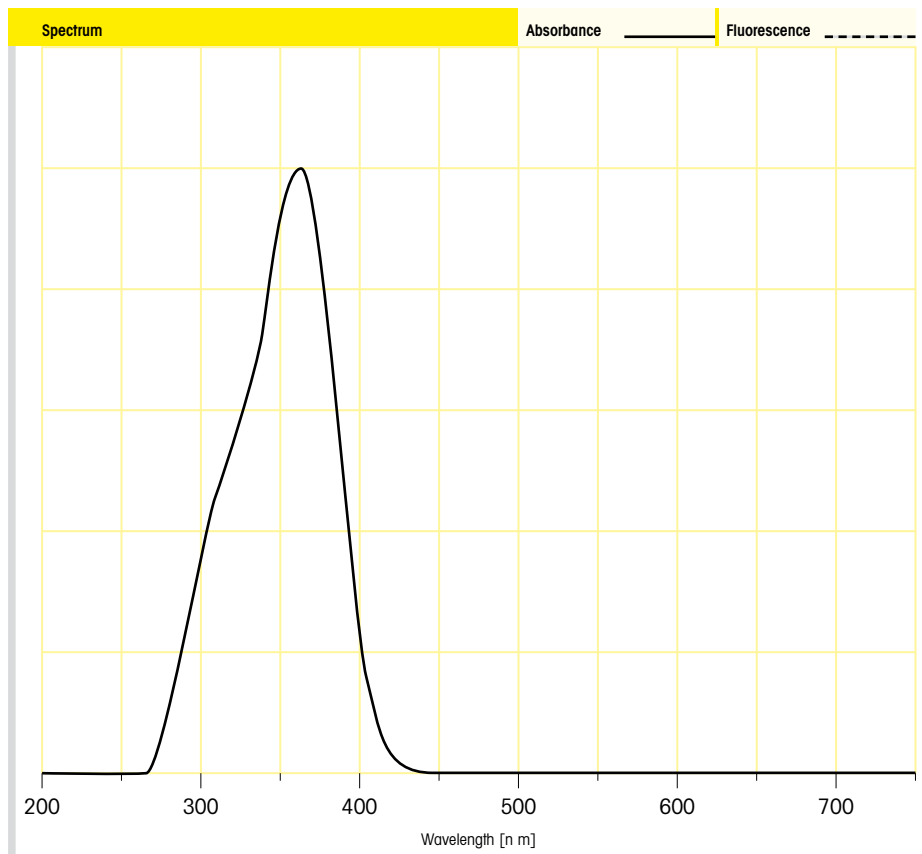
Molecular Formula C₁₂H₁₁NO₄

Molecular Structure



Absorption max. 360 nm

Application 



Code 33820

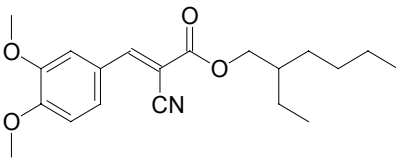
CAS No. 143269-62-9

Chemical Name


2-Ethylhexyl alpha-cyano-3,4-dimethoxycinnamate

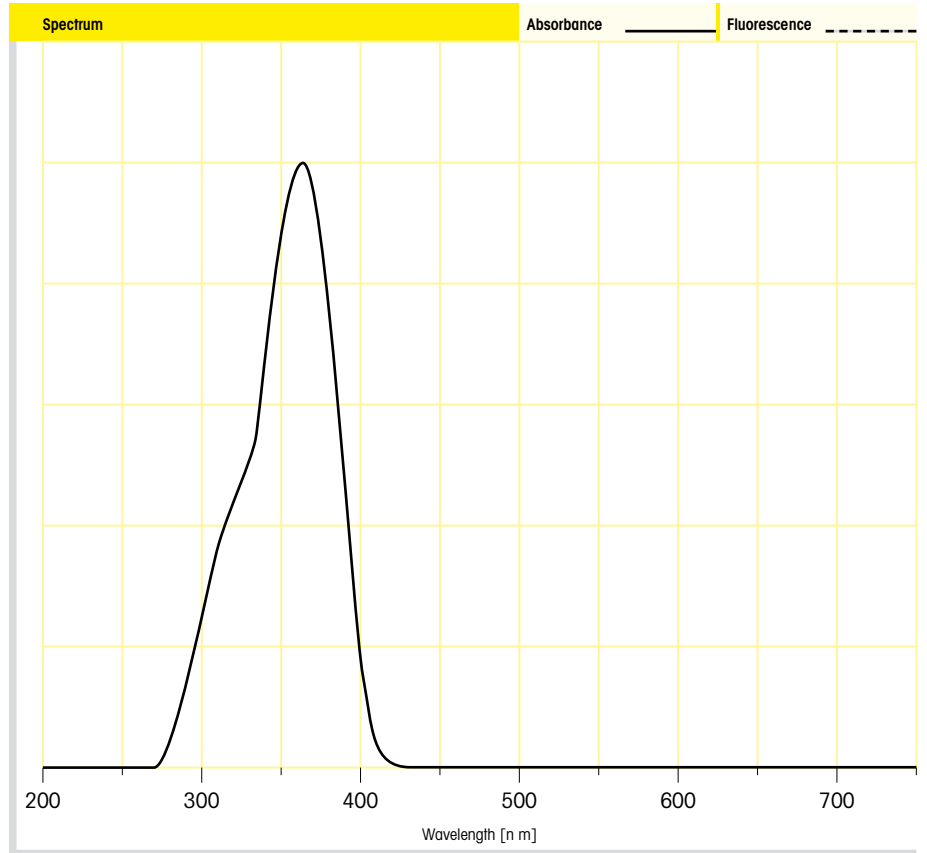
Molecular Formula C₂₀H₂₇NO₄

Molecular Structure



Absorption max. 360 nm

Application 



Code 33850

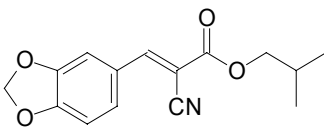
CAS No. 117133-81-0

Chemical Name

Isobutyl alpha-cyano-3,4-methylenedioxcinnamate

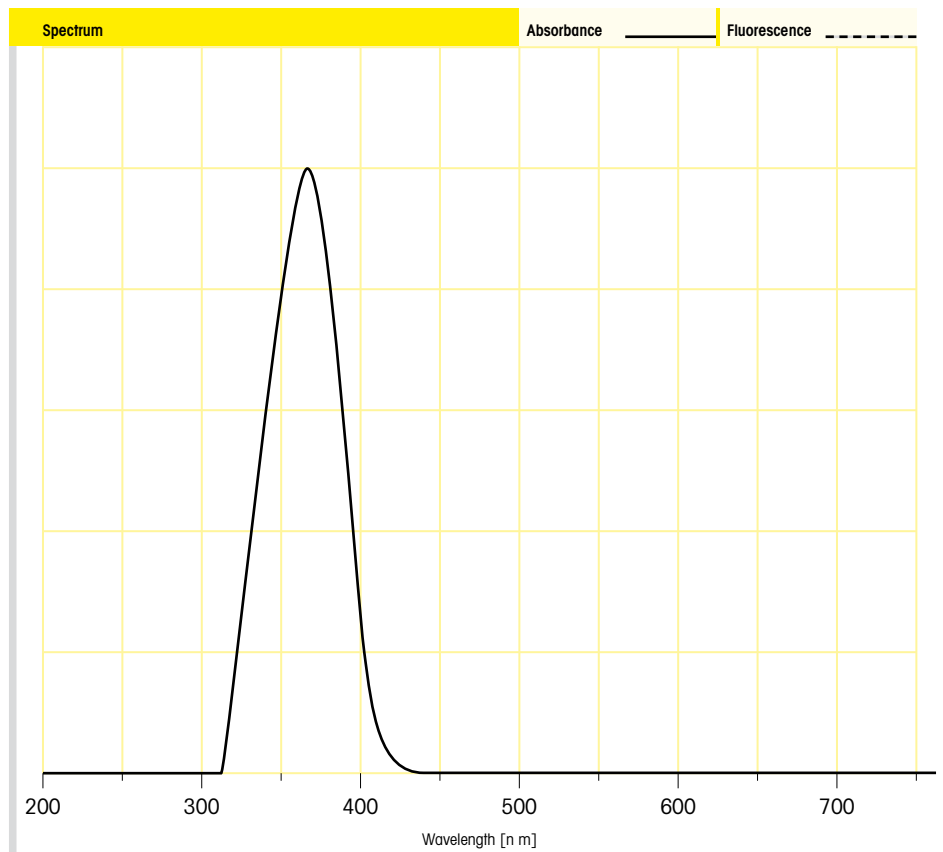
Molecular Formula C₁₅H₁₅NO₄

Molecular Structure



Absorption max. 361 nm

Application 



$\lambda_{\max} = 364 \text{ nm} \mid 370 \text{ nm}$

Code 33860

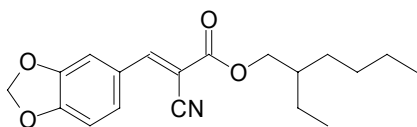
CAS No. 63524-66-3

Chemical Name

2-Ethylhexyl alpha-cyano-3,4-methylenedioxcinnamate

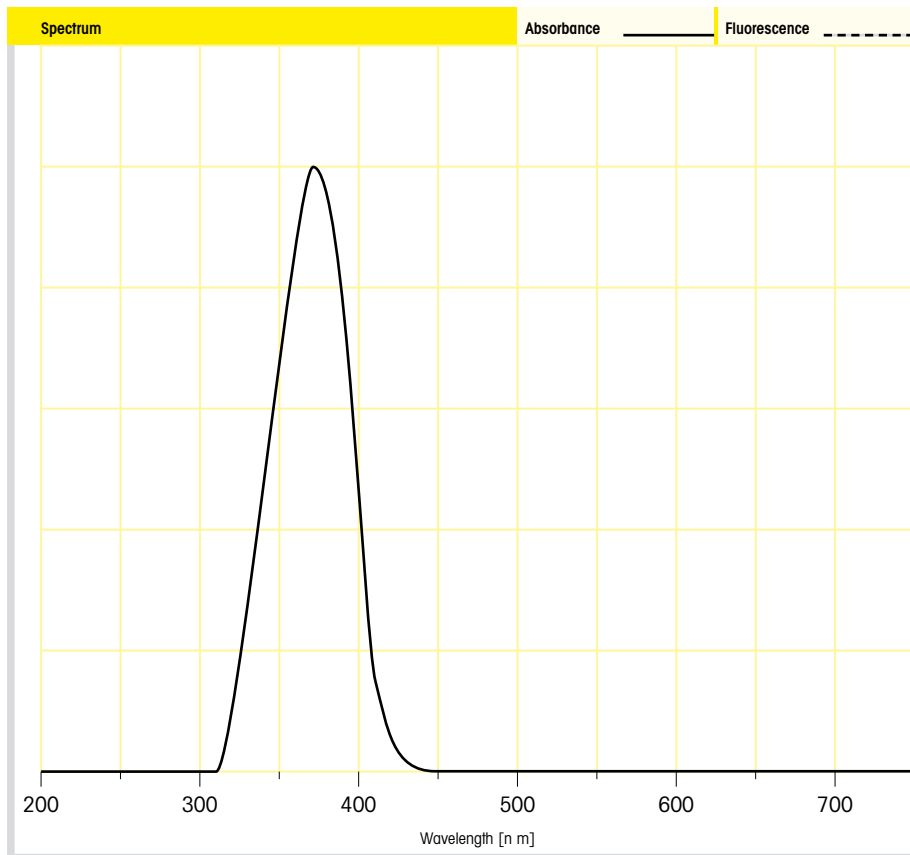
Molecular Formula C₁₉H₂₁NO₄

Molecular Structure



Absorption max. 364 nm

Application



Code 33720

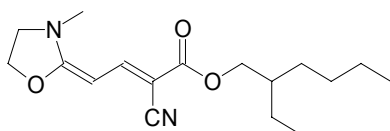
CAS No. 143269-64-1

Chemical Name

2-Ethylhexyl alpha-cyano-4-(3-methyloxazolin-2-ylidene)crotonate

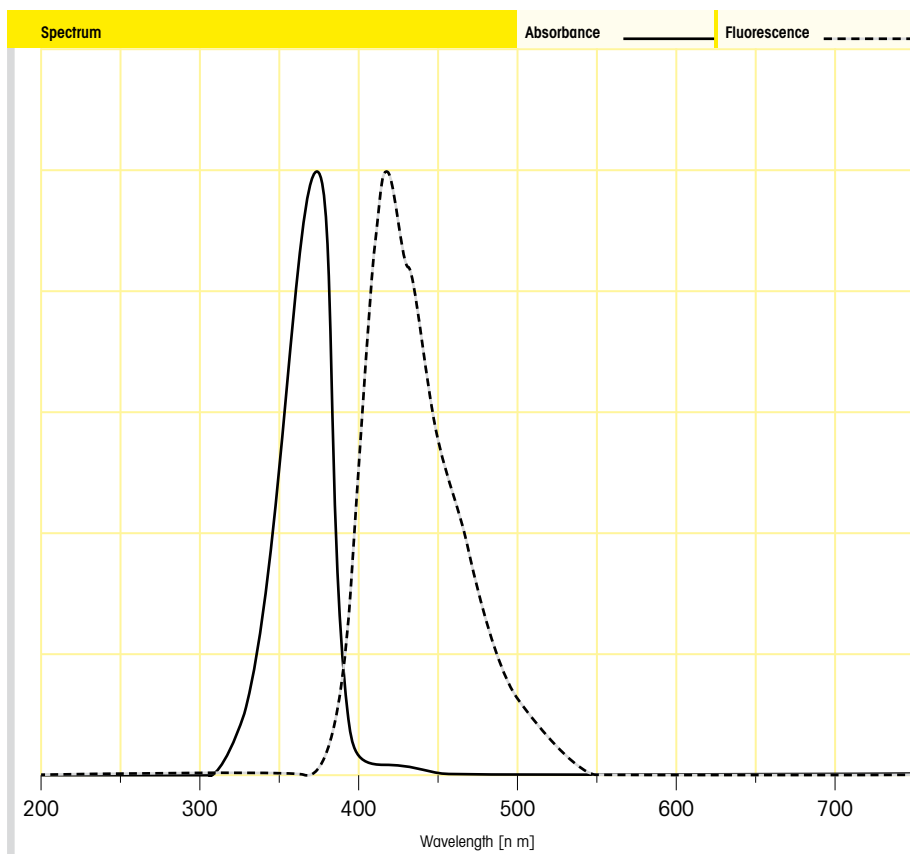
Molecular Formula C₁₇H₂₆N₂O₃

Molecular Structure



Absorption max. 370 nm

Application



Code 17051

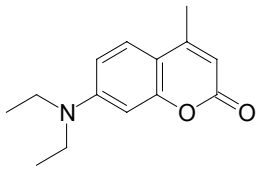
CAS No. 91-44-1

Chemical Name

7-Diethylamino-4-methylcoumarin
(Coumarin 1)

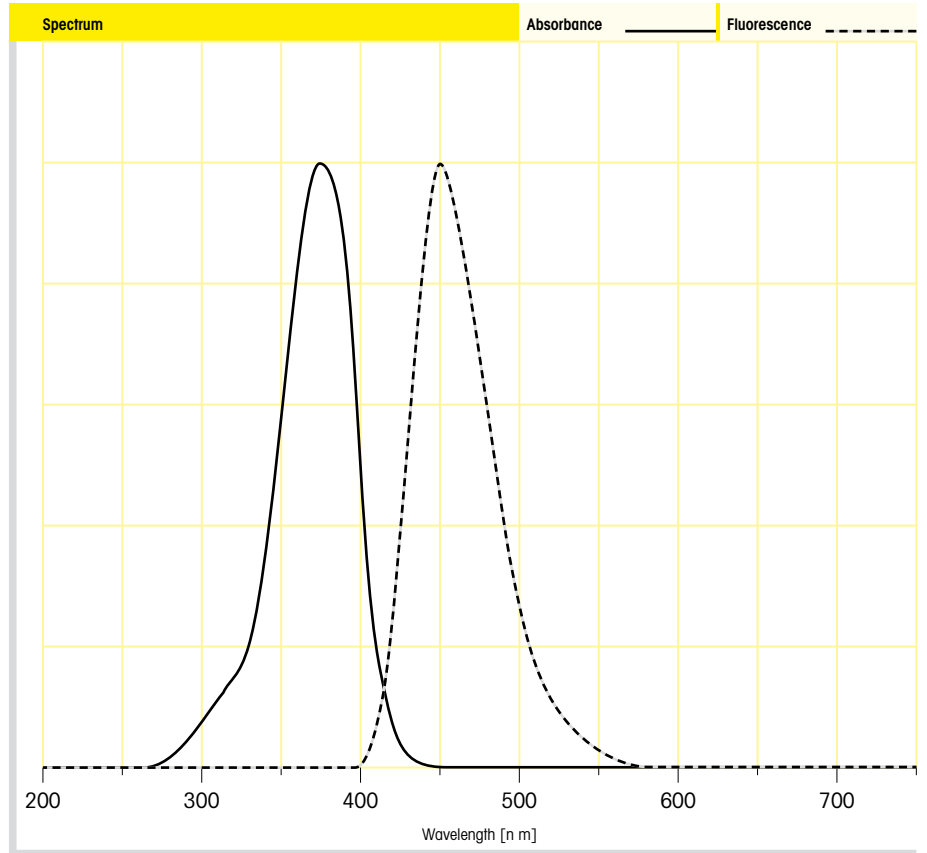
Molecular Formula C₁₄H₁₇N₂O₂

Molecular Structure



Absorption max. 373 nm

Application



Code 17080

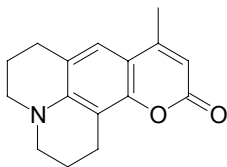
CAS No. 41267-76-9

Chemical Name

4-Methyl-6,7,9,10-tetrahydro-8H,
11H-quinolizino[9,9a,1-gh]coumarin
(Coumarin 102)

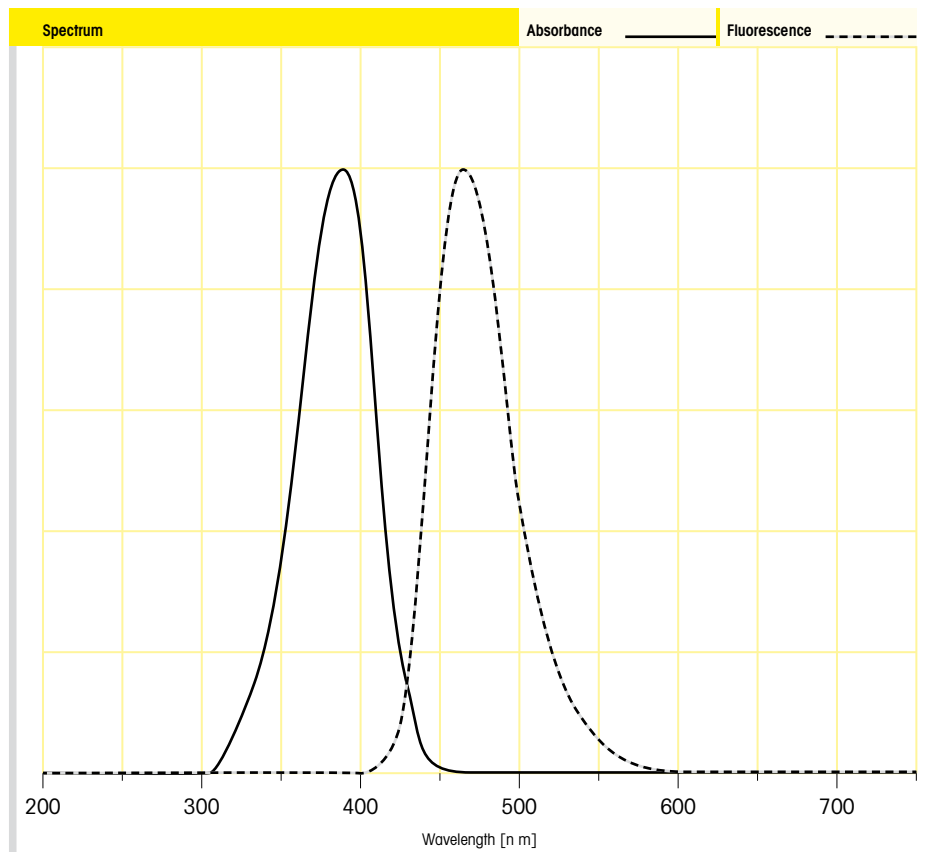
Molecular Formula C₁₆H₁₇N₂O₂

Molecular Structure



Absorption max. 390 nm

Application



$\lambda_{\max} = 400 \text{ nm} \mid 410 \text{ nm}$

Code 33340

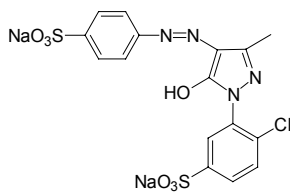
CAS No. 91101-24-5

Chemical Name

1-(2-Chloro-5-sulfophenyl)-3-methyl-4-(4-sulfophenyl)azo-2-pyrazolin-5-one disodium salt

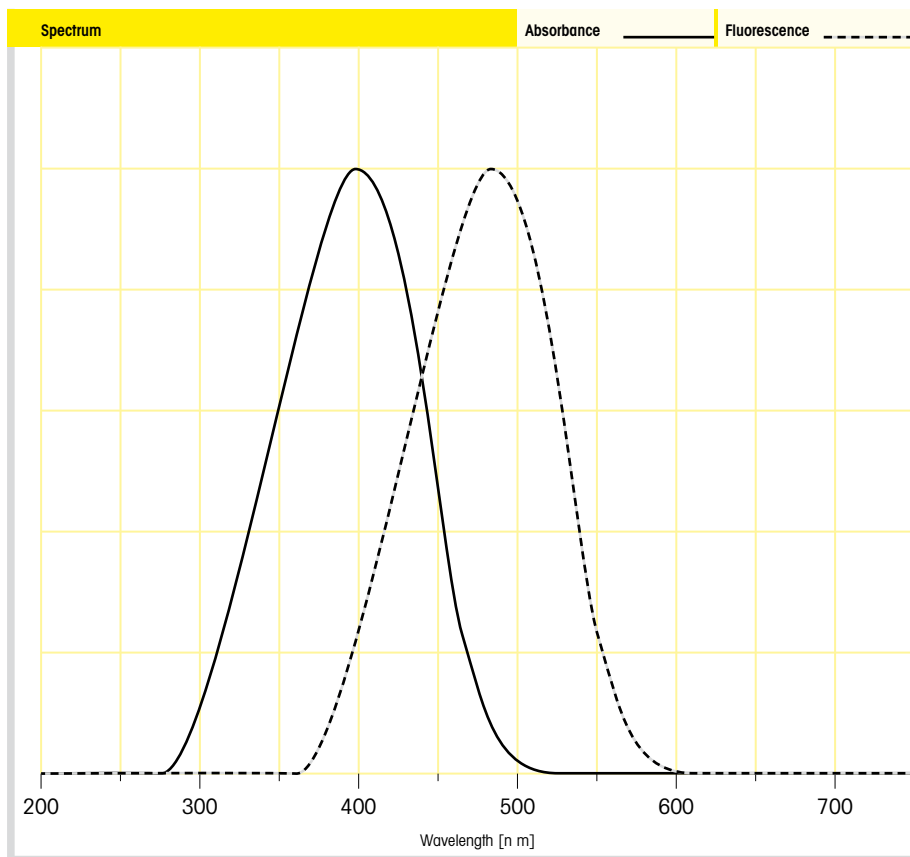
Molecular Formula C₁₆H₁₁ClN₄Na₂O₇S₂

Molecular Structure



Absorption max. 400 nm

Application



Code 34860

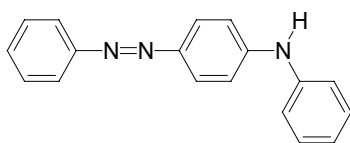
CAS No. 101-75-7

Chemical Name

4-Phenylazodiphenylamine

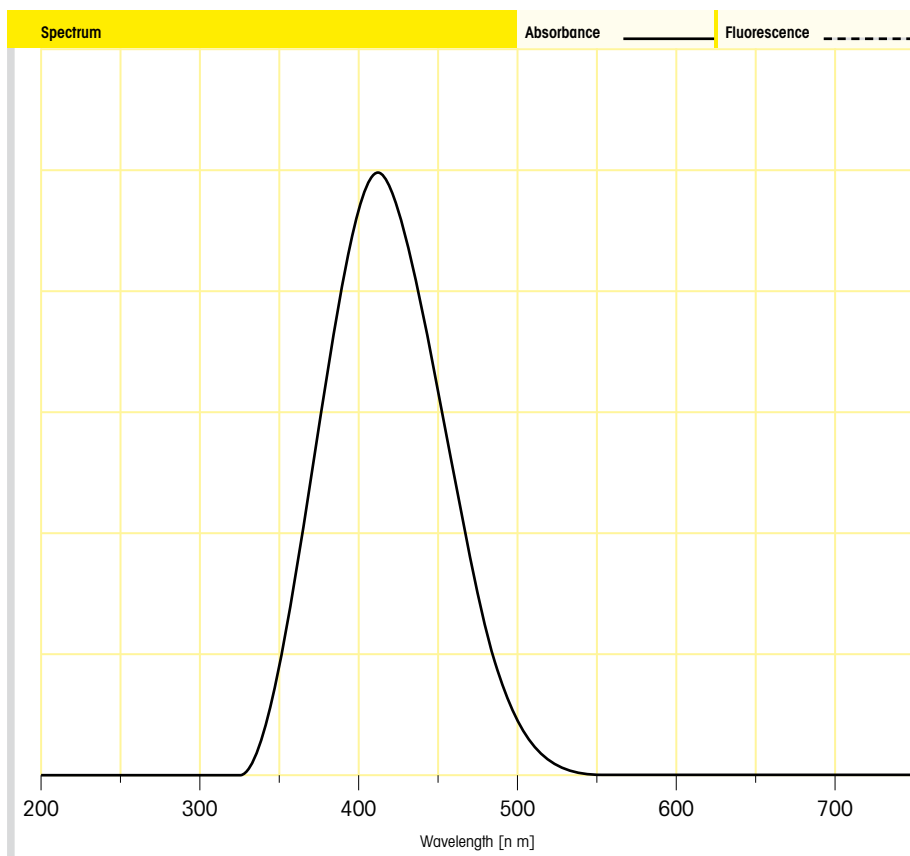
Molecular Formula C₁₈H₁₅N₃

Molecular Structure



Absorption max. 410 nm

Application



Code 08610

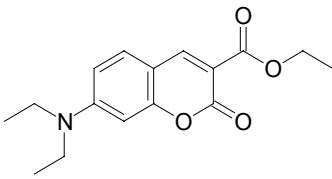
CAS No. 28705-46-6

Chemical Name


Ethyl 7-diethylaminocoumarin-3-carboxylate

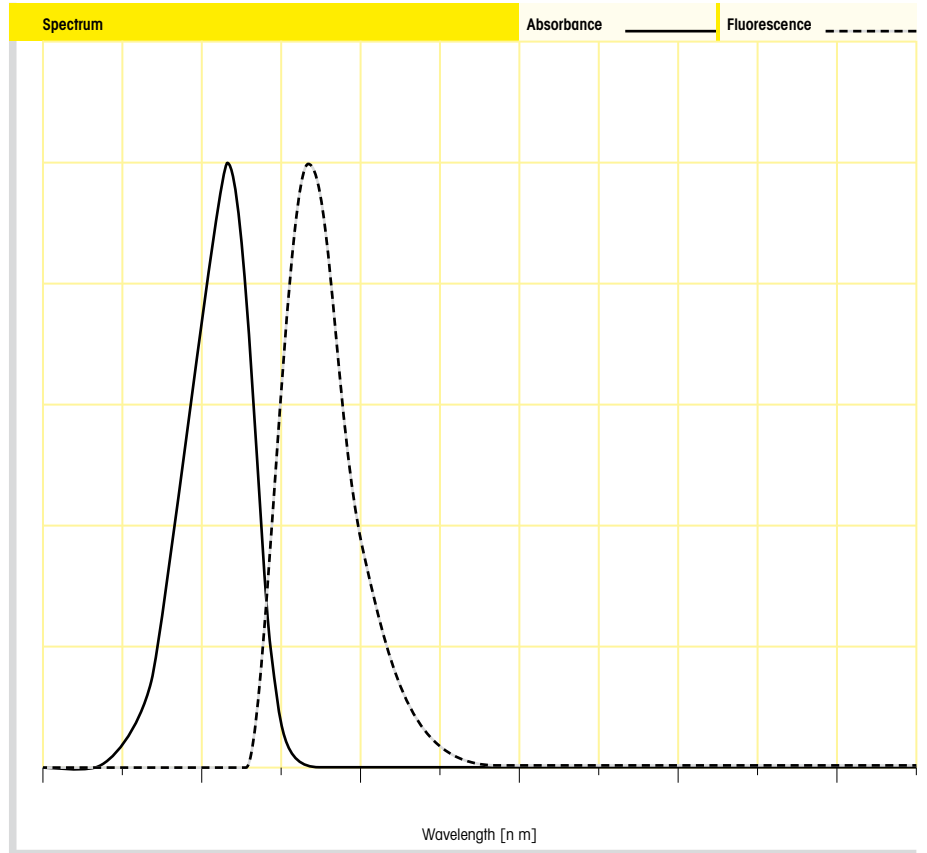
Molecular Formula C₁₆H₁₉N₁O₄

Molecular Structure



Absorption max. 418 nm

Application 



Code 12770

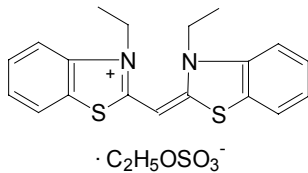
CAS No. 2602-17-7

Chemical Name


3,3'-Diethylthiacyanine ethylsulfate

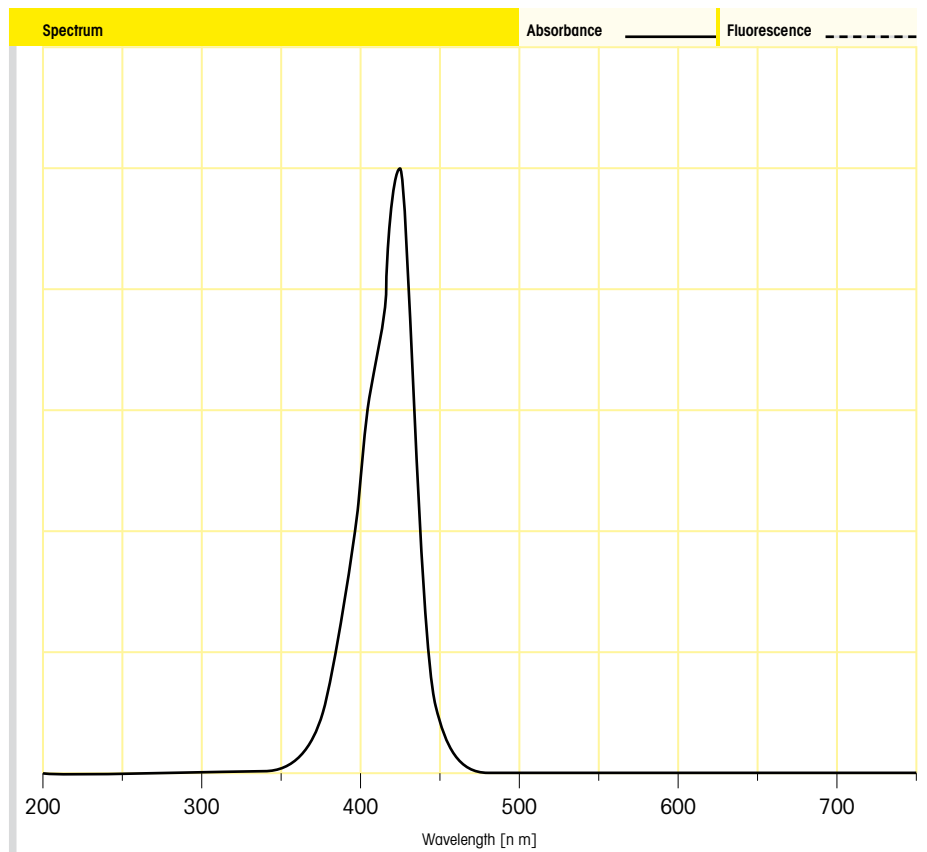
Molecular Formula C₁₉H₁₉N₂S₂·C₂H₅O₄S

Molecular Structure



Absorption max. 424 nm

Application 



$\lambda_{\max} = 430 \text{ nm} \mid 435 \text{ nm}$

Code 12950

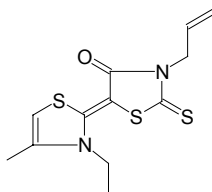
CAS No. 203785-75-5

Chemical Name

3-Allyl-5-(3-ethyl-4-methyl-2-thiazolinylidene)
rhodanine

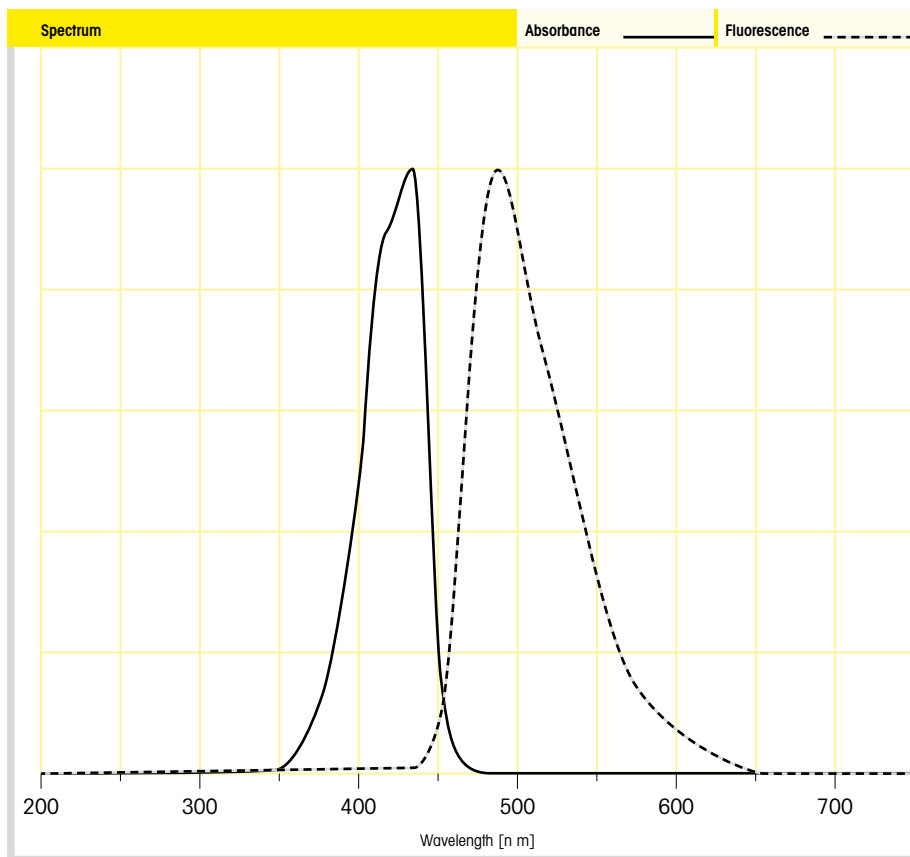
Molecular Formula C₁₂H₁₄N₂O₃S₃

Molecular Structure



Absorption max. 430 nm

Application 



Code 16640

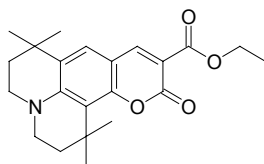
CAS No. 113869-06-0

Chemical Name

Ethyl 6,7,9,10-tetrahydro-7,7,10,
10-tetramethyl-8H,11H-quinolizino[9,9a,1-gh]
coumarin-3-carboxylate (Coumarin 314T)

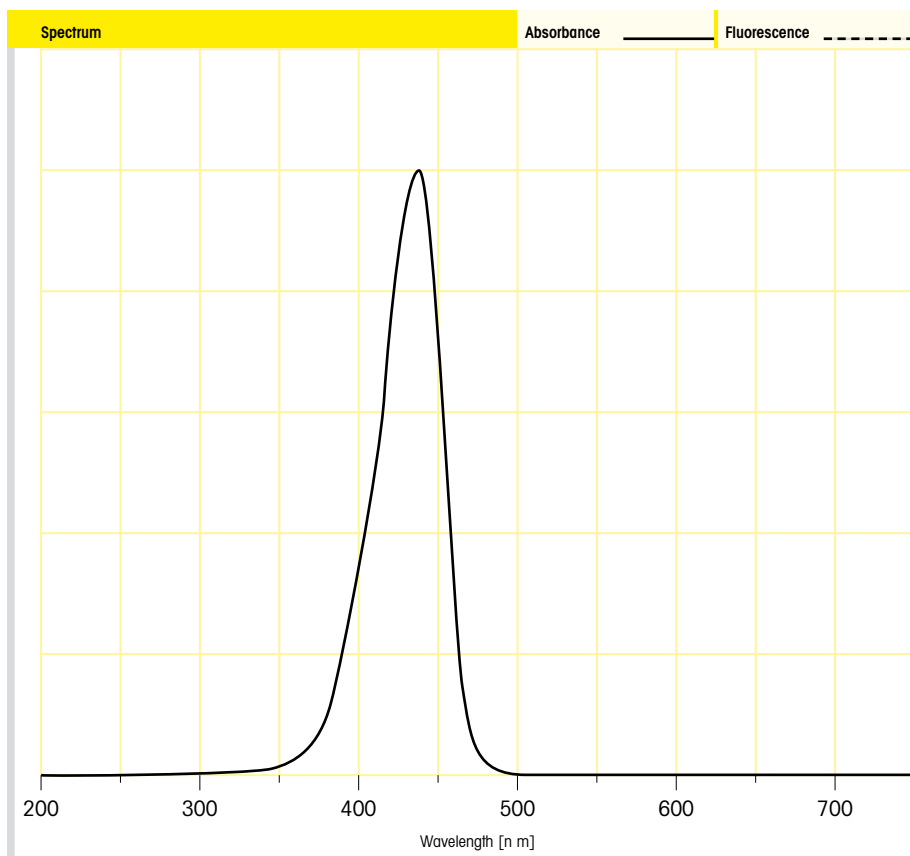
Molecular Formula C₂₂H₂₇N₄O₄

Molecular Structure



Absorption max. 435 nm

Application 



Code 15050

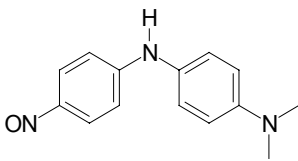
CAS No. 7696-70-0

Chemical Name


4-Dimethylamino-4'-nitrosodiphenylamine

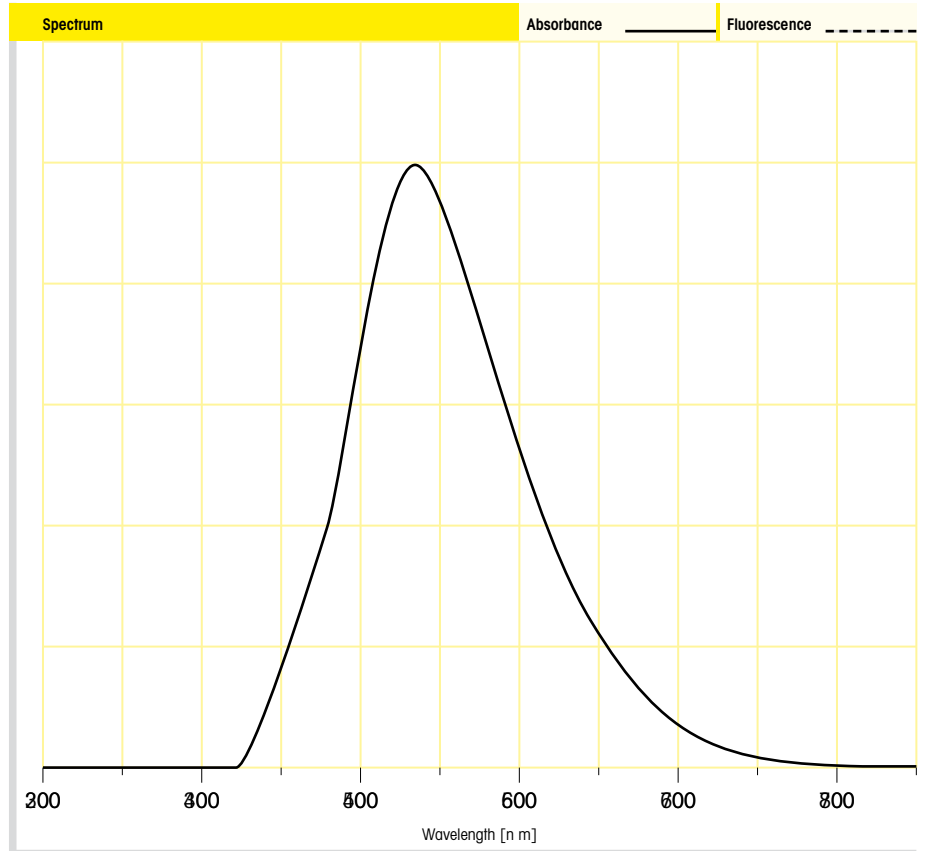
Molecular Formula C₁₄H₁₅N₃O

Molecular Structure



Absorption max. 437 nm

Application 



Code 17120

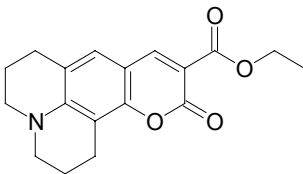
CAS No. 55804-66-5

Chemical Name


Ethyl 6,7,9,10-tetrahydro-8H, 11H-quinolino[9,9a,1-g]coumarin-3-carboxylate (Coumarin 314)

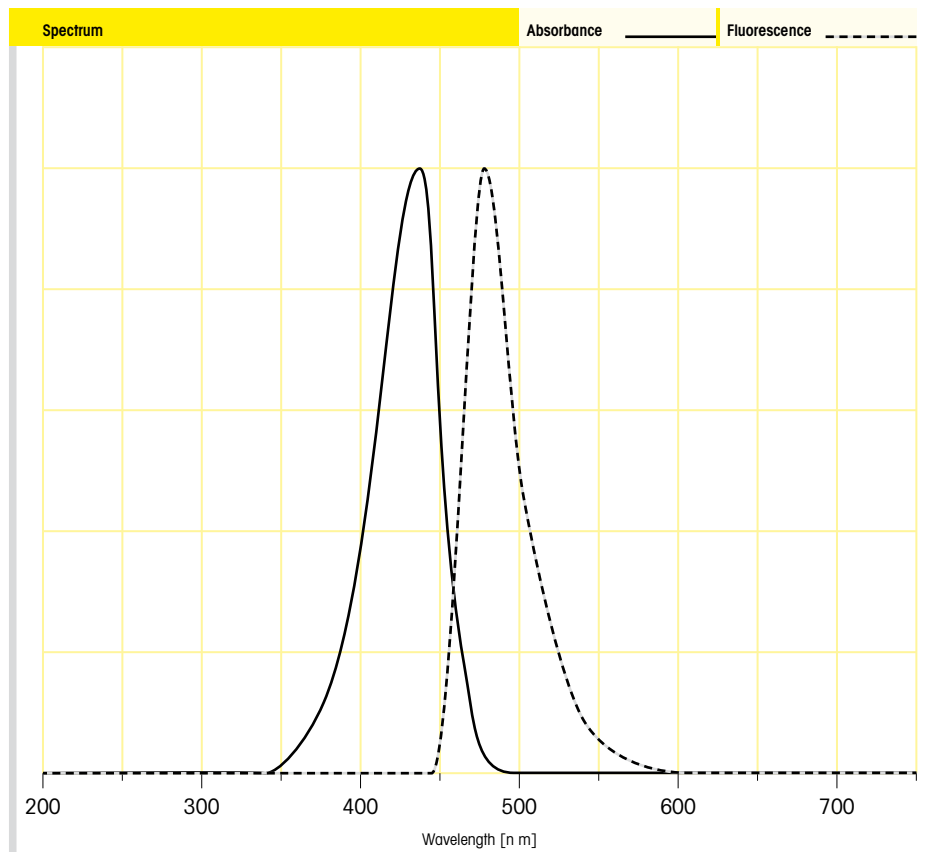
Molecular Formula C₁₈H₁₉N₂O₄

Molecular Structure



Absorption max. 437 nm

Application 



$\lambda_{\max} = 438 \text{ nm} \mid 440 \text{ nm}$

Code 17021

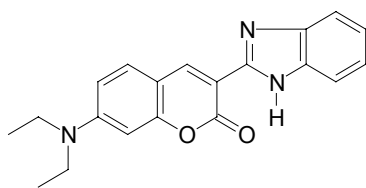
CAS No. 27425-55-4

Chemical Name

3-(2-Benzimidazolyl)-7-diethylaminocoumarin
(Coumarin 7)

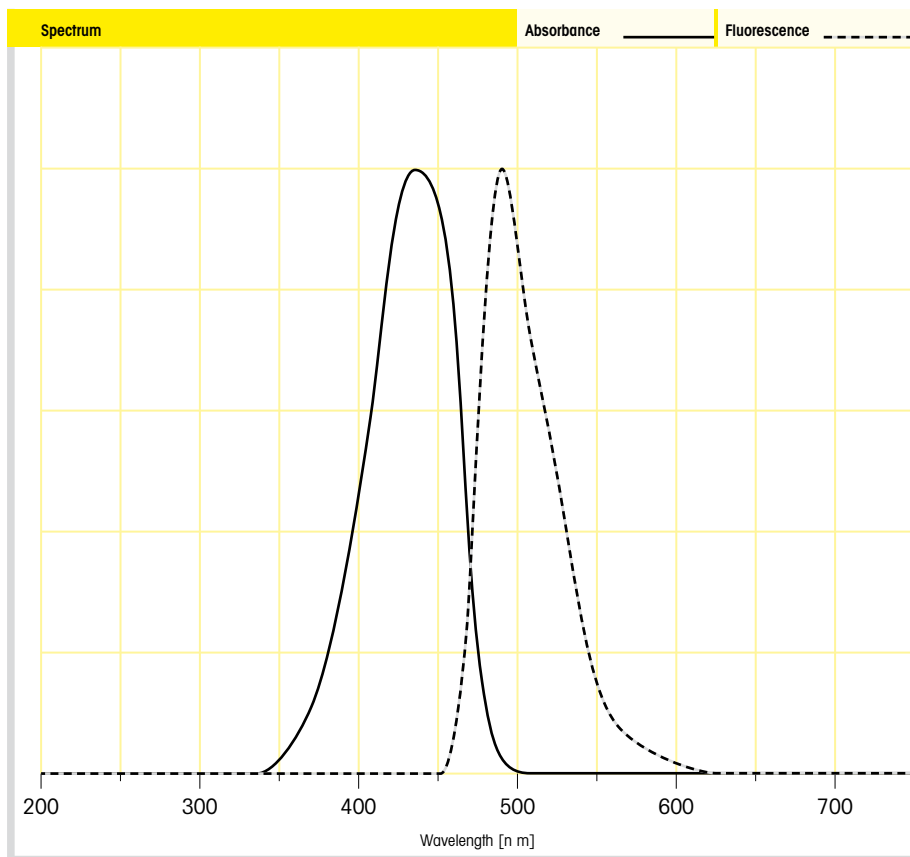
Molecular Formula C₂₀H₁₉N₃O₂

Molecular Structure



Absorption max. 438 nm

Application 



Code 12670

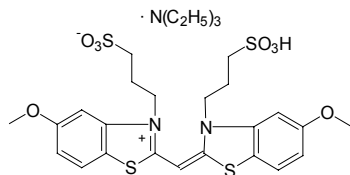
CAS No. 63148-97-0

Chemical Name

3,3'-Bis(3-sulfopropyl)-5,5'-dimethoxythiacyanine betaine triethylammonium salt

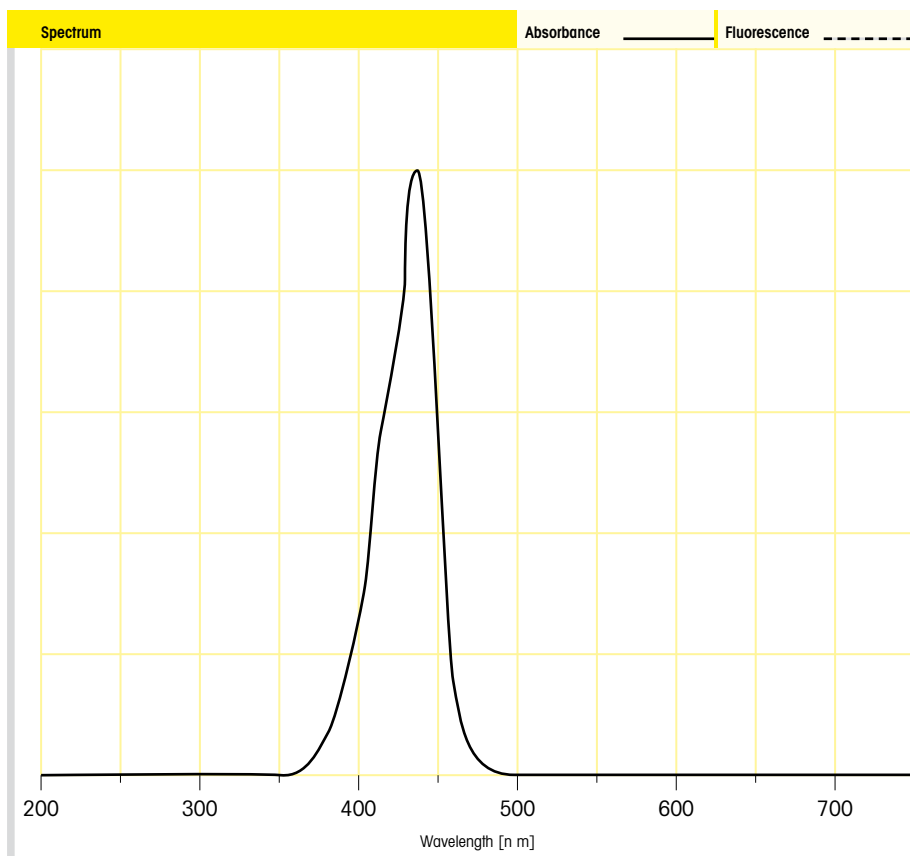
Molecular Formula C₂₉H₄₁N₃O₈S₄

Molecular Structure



Absorption max. 440 nm

Application 



Code 12900

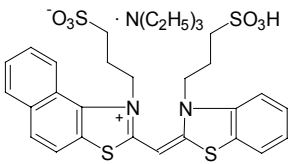
CAS No. 60760-42-1

Chemical Name

4,5-Benzo-3,3'-bis(3-sulfopropyl)thiacyanine betaine triethylammonium salt

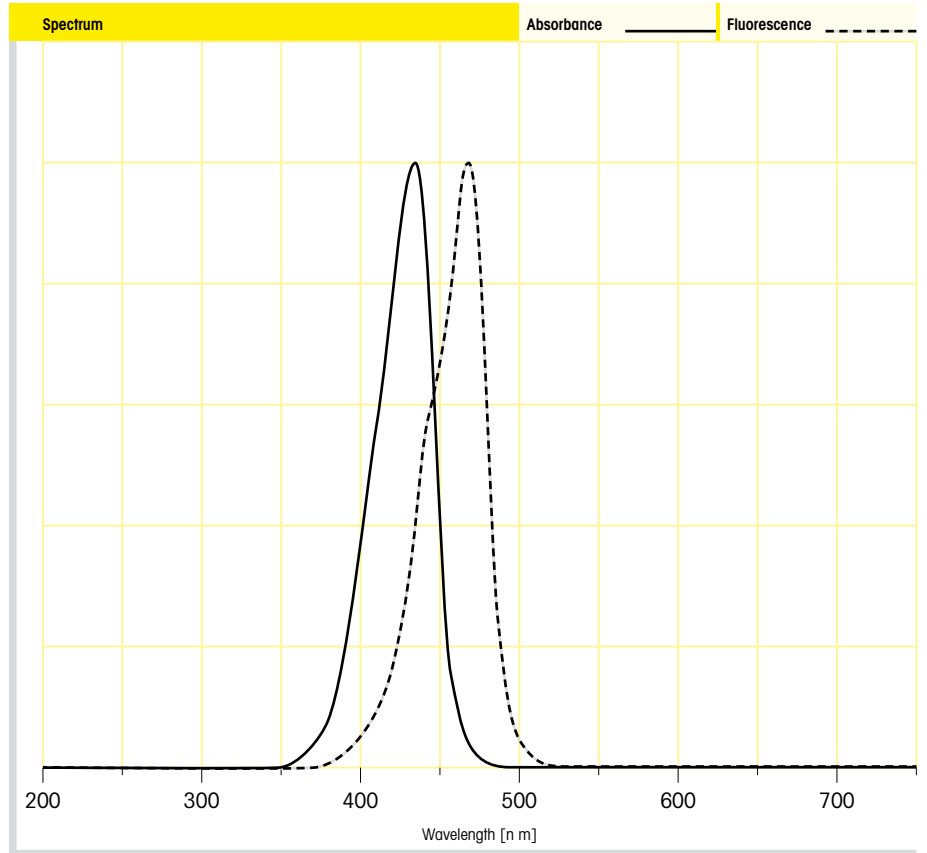
Molecular Formula C₃₁H₃₉N₃O₆S₄

Molecular Structure



Absorption max. 441 nm

Application



Code 12810

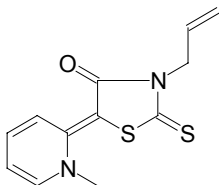
CAS No. 34330-15-9

Chemical Name

3-Allyl-5-(1-methyl-2-pyridylidene)rhodanine

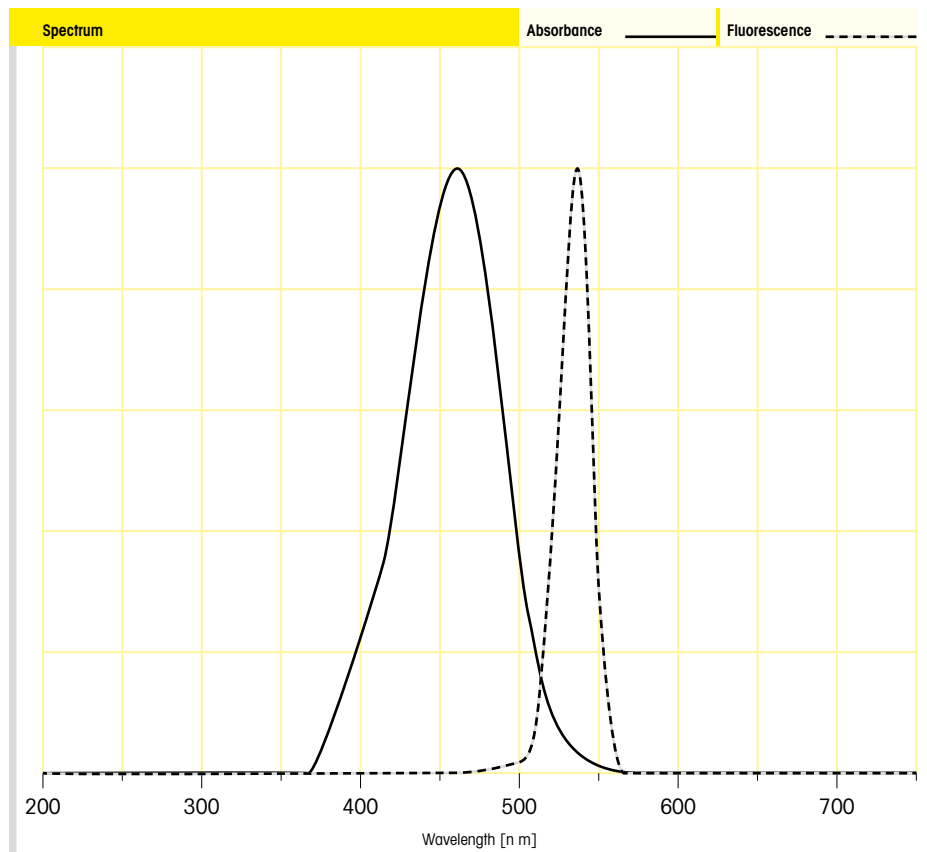
Molecular Formula C₁₂H₁₂N₂O₂S₂

Molecular Structure



Absorption max. 455 nm

Application



$\lambda_{\max} = 455 \text{ nm} \mid 458 \text{ nm}$

Code 12930

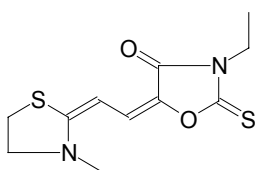
CAS No. 35795-44-9

Chemical Name


3-Ethyl-5-[2-(3-methyl-2-thiazolidinydene) ethylidene]-2-thioxo-4-oxazolidone

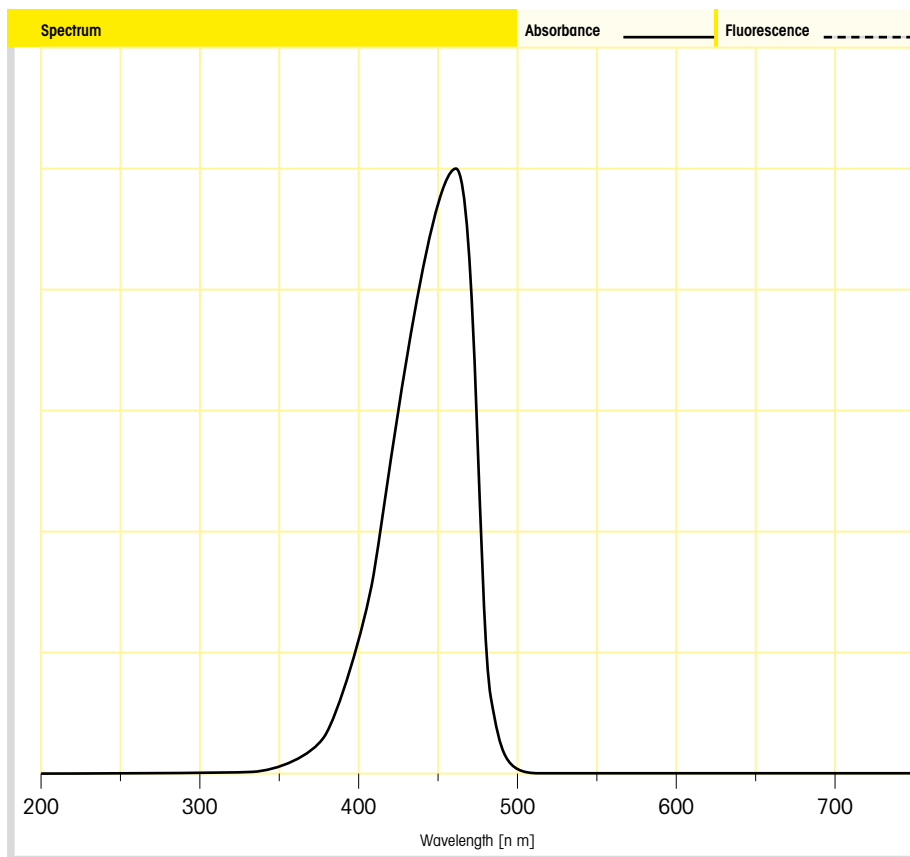
Molecular Formula C₁₁H₁₄N₂O₂S₂

Molecular Structure



Absorption max. 455 nm

Application 



Code 00360

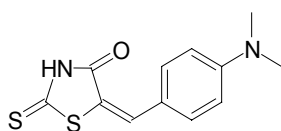
CAS No. 536-17-4

Chemical Name


5-(4-Dimethylaminobenzylidene)rhodanine

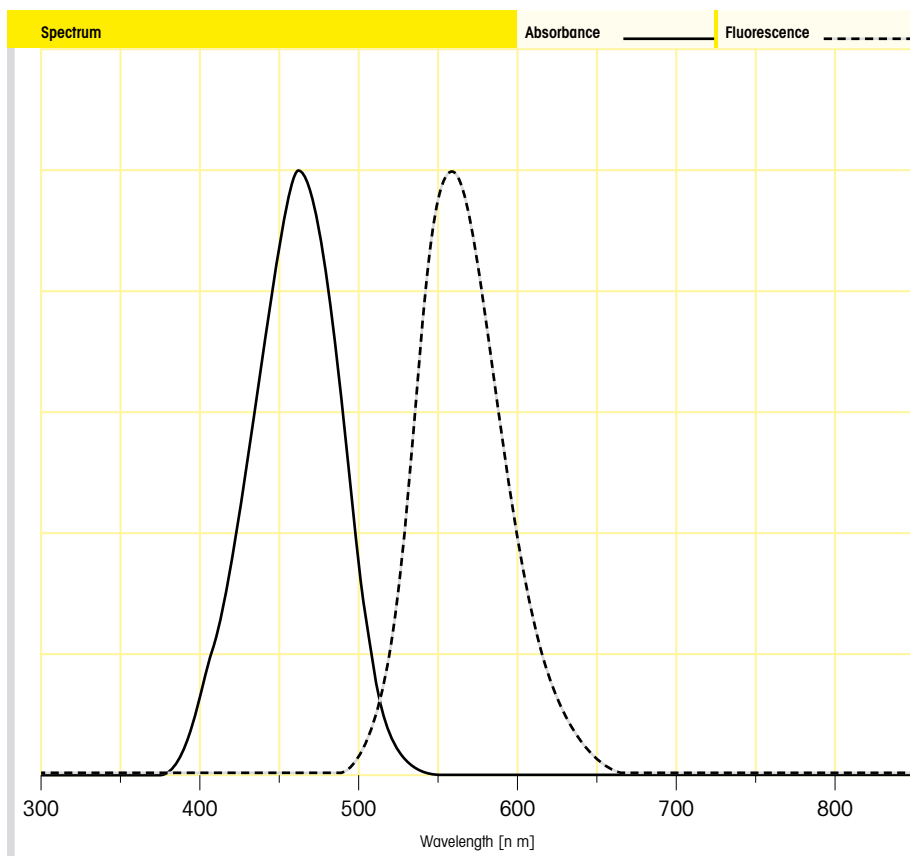
Molecular Formula C₁₂H₁₂N₂O₂S₂

Molecular Structure



Absorption max. 458 nm

Application 



Code 12820

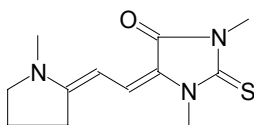
CAS No. 2445-60-5

Chemical Name

1,3-Dimethyl-5-[2-(1-methyl-2-pyrrolidinylidene)ethylidene]-2-thiohydantoine

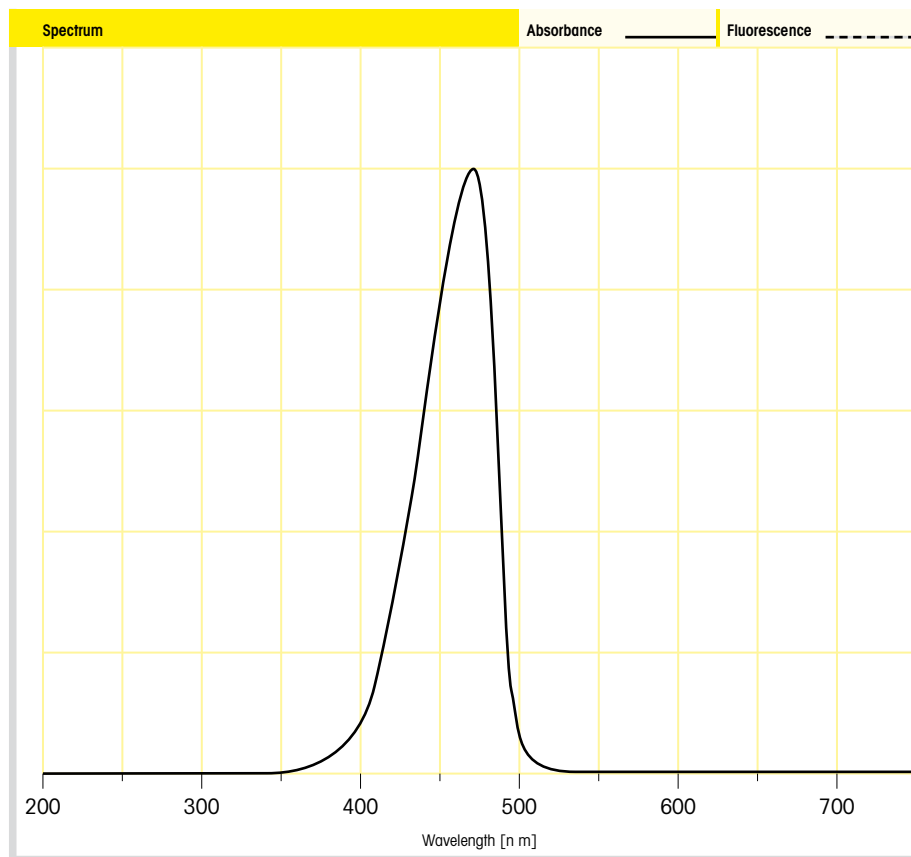
Molecular Formula C₁₂H₁₇N₃O₂S

Molecular Structure



Absorption max. 467 nm

Application



Code 12660

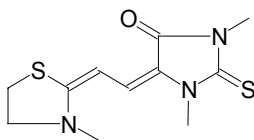
CAS No. 50663-19-9

Chemical Name

1,3-Dimethyl-5-[2-(3-methyl-2-thiazolidinylidene)ethylidene]-2-thioxoimidazolidin-4-one

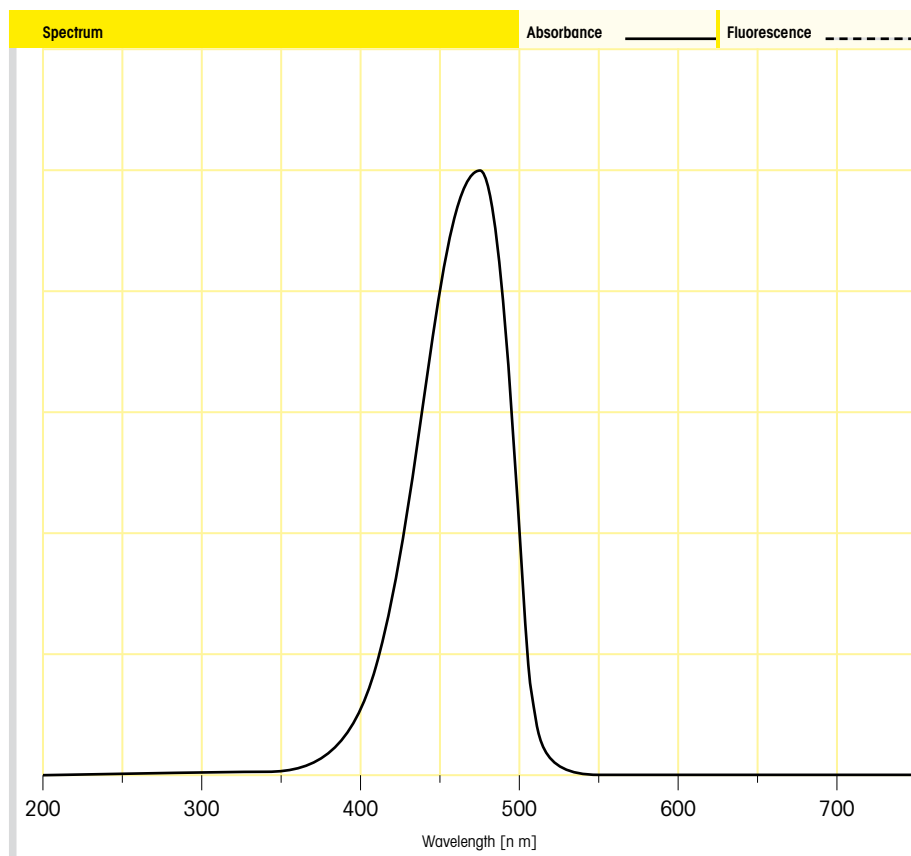
Molecular Formula C₁₁H₁₅N₃O₂S₂

Molecular Structure



Absorption max. 470 nm

Application



$\lambda_{\max} = 482 \text{ nm} \mid 482 \text{ nm}$

Code 04720

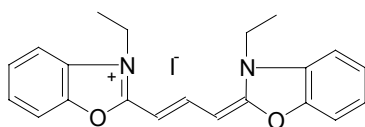
CAS No. 905-96-4

Chemical Name

3,3'-Diethyloxacarboyanine iodide

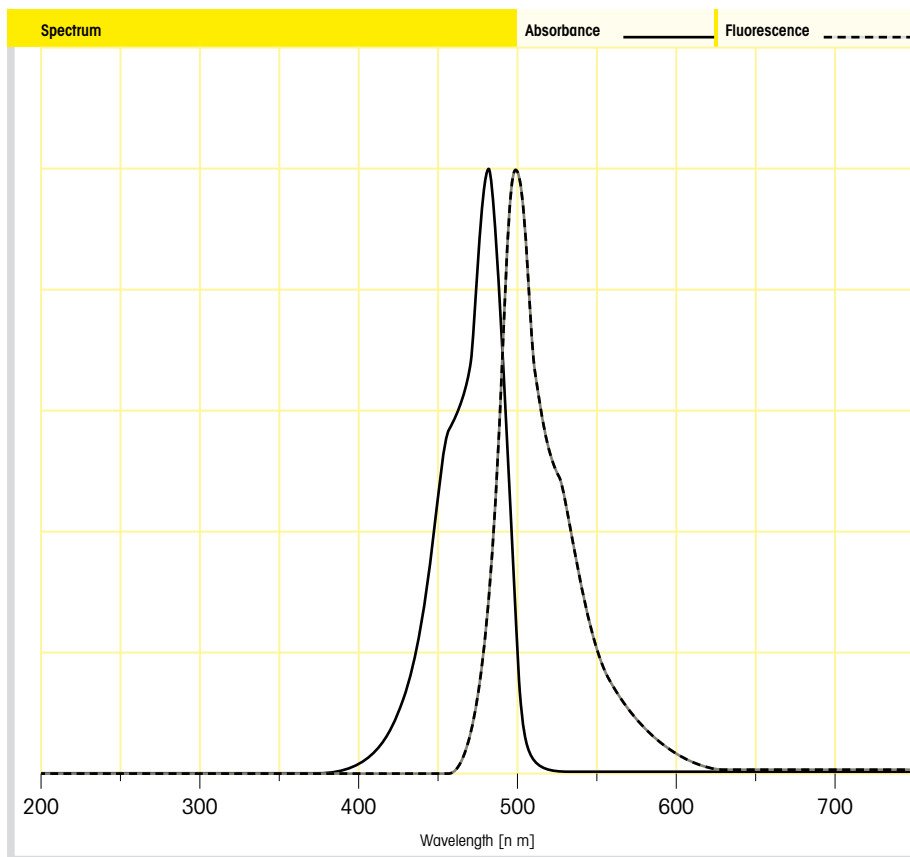
Molecular Formula C₂₁H₂₁N₂O₂.I

Molecular Structure



Absorption max. 482 nm

Application



Code 12730

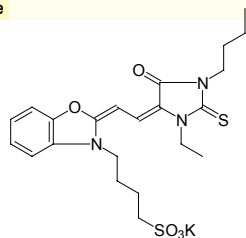
CAS No. 77418-33-8

Chemical Name

3-Butyl-1-ethyl-5-[3-(4-sulfobutyl)-2-benzoxazolylidene]ethylidene-2-thiohydantoine potassium salt

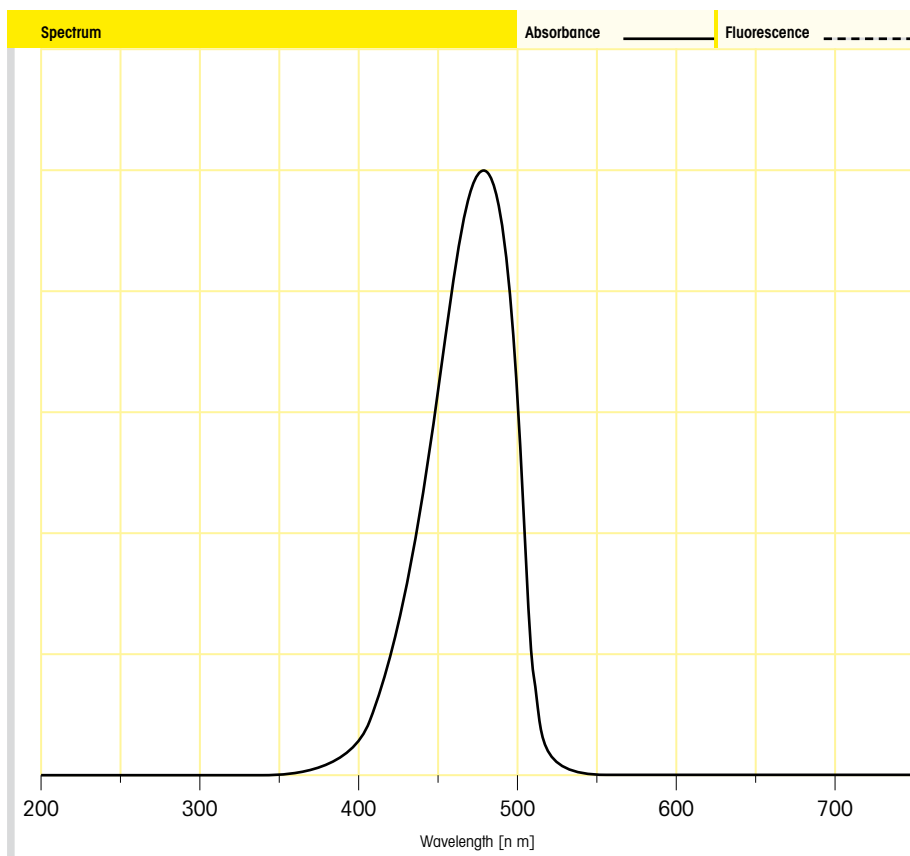
Molecular Formula C₂₂H₂₈KN₃O₅S₂

Molecular Structure



Absorption max. 482 nm

Application



Code 12790

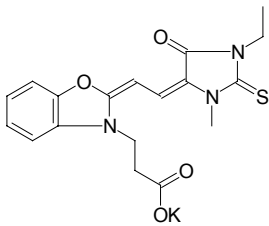
CAS No. 143269-69-6

Chemical Name

5-[2-[3-(2-Carboxyethyl)-
2-benzoxazolylidene]ethylidene]-3-ethyl-
1-methyl-2-thiohydantoine potassium salt

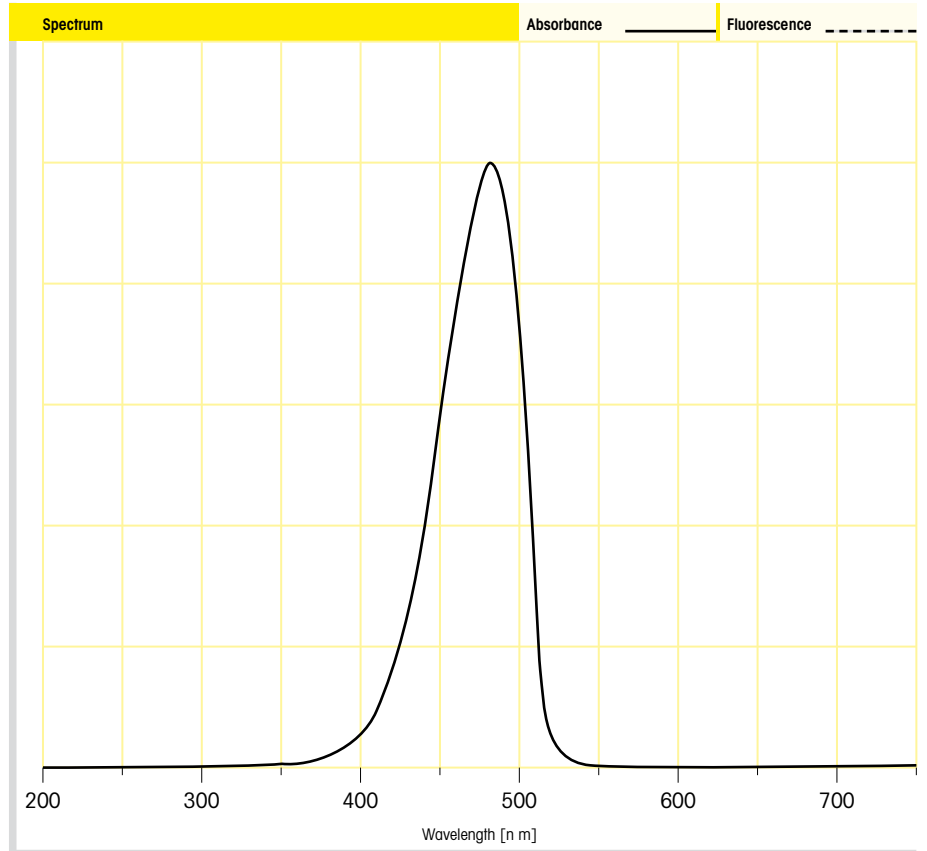
Molecular Formula C₁₈H₁₈KN₃O₄S

Molecular Structure



Absorption max. 482 nm

Application 



Code 12830

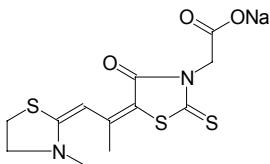
CAS No. 144940-73-8

Chemical Name


3-Carboxymethyl-5-[1-(3-methyl-
2-thiazolidinylidene)-2-propylidene]rhodanine
sodium salt

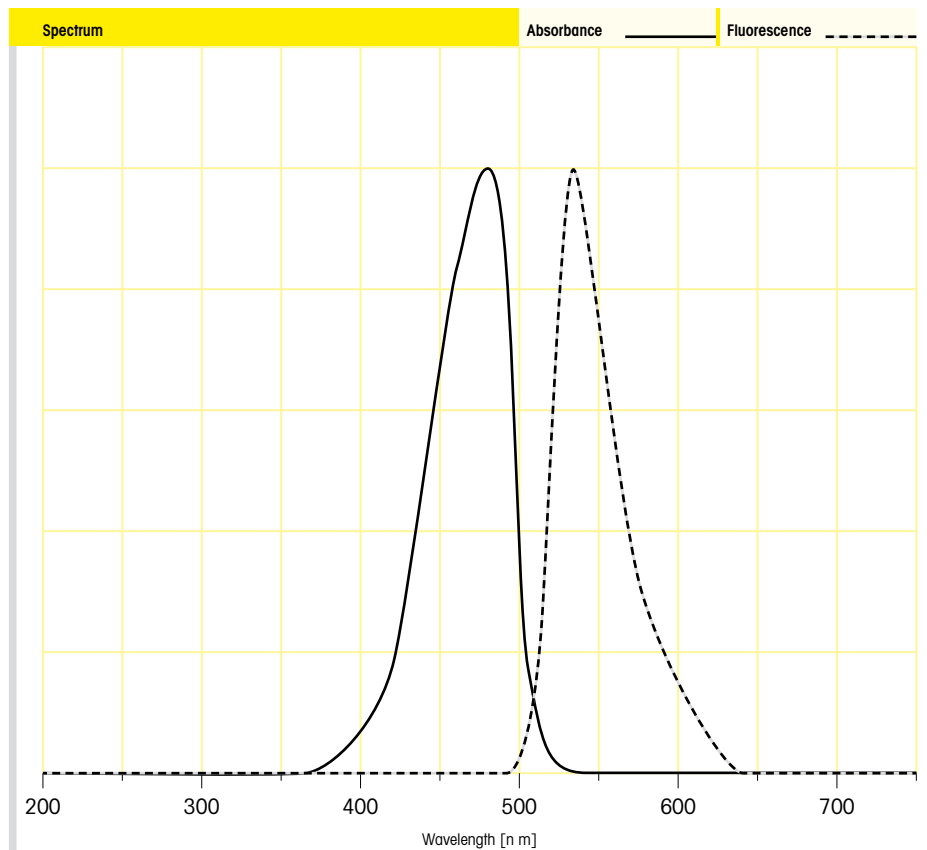
Molecular Formula C₁₂H₁₃N₂NaO₃S₃

Molecular Structure



Absorption max. 487 nm

Application 



$\lambda_{\max} = 500 \text{ nm} \mid 501 \text{ nm}$

Code 17530

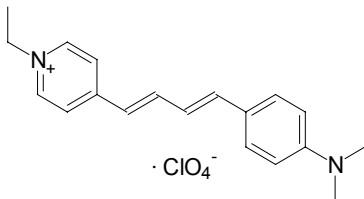
CAS No. 89846-21-9

Chemical Name

4-[4-(4-Dimethylaminophenyl)-1,3-butadienyl]-1-ethylpyridinium perchlorate (Pyridine 2)

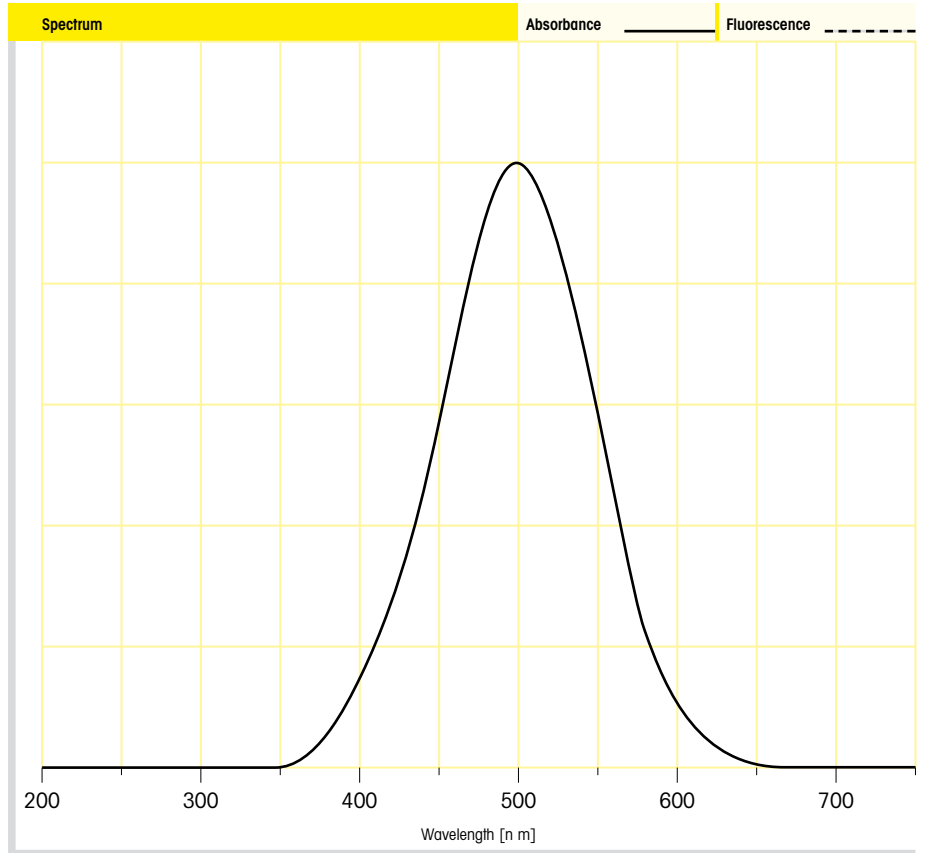
Molecular Formula $C_{19}H_{23}N_2 \cdot ClO_4$

Molecular Structure



Absorption max. 500 nm

Application



Code 33050

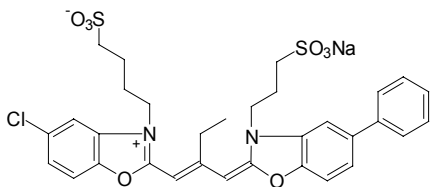
CAS No. 28118-05-0

Chemical Name

5-Chloro-9-ethyl-5'-phenyl-3-(4-sulfobutyl)-3'-(3-sulfopropyl)oxacarbocyanine betaine sodium salt

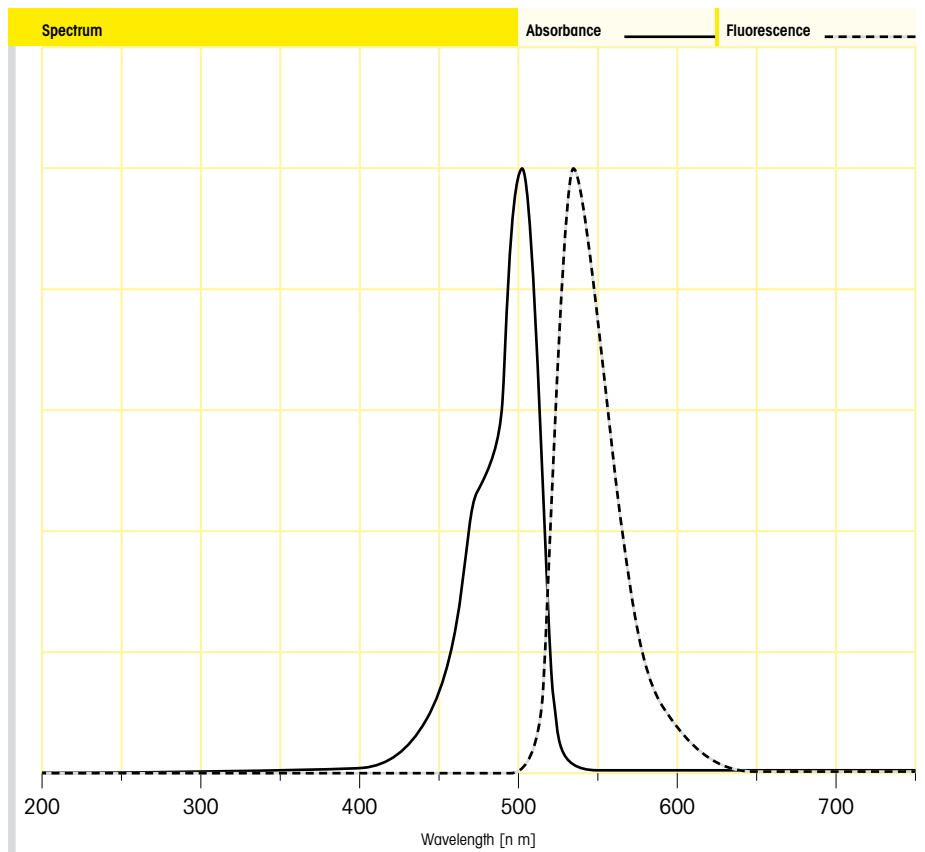
Molecular Formula $C_{32}H_{33}ClN_2O_8S_2 \cdot Na$

Molecular Structure



Absorption max. 501 nm

Application



Code 12290

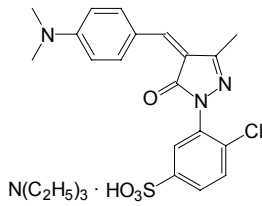
CAS No. 143193-48-0

Chemical Name

1-(2-Chloro-5-sulfophenyl)-3-methyl-4-(4-dimethylaminobenzylidene)-2-pyrazolin-5-one triethylammonium salt

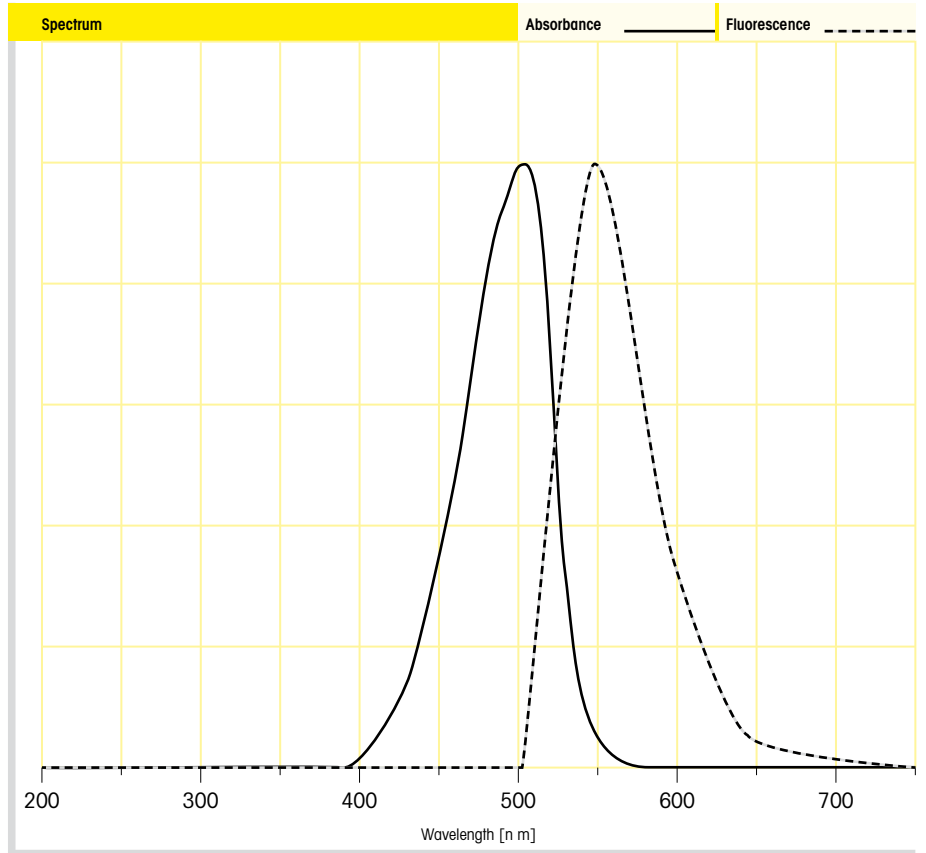
Molecular Formula C₂₅H₃₃ClN₄O₄S

Molecular Structure



Absorption max. 502 nm

Application 



Code 12890

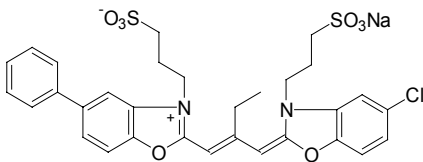
CAS No. 67326-80-1

Chemical Name


3,3'-Bis(3-sulfopropyl)-5-chloro-9-ethyl-5'-phenyloxacarbocyanine betaine sodium salt

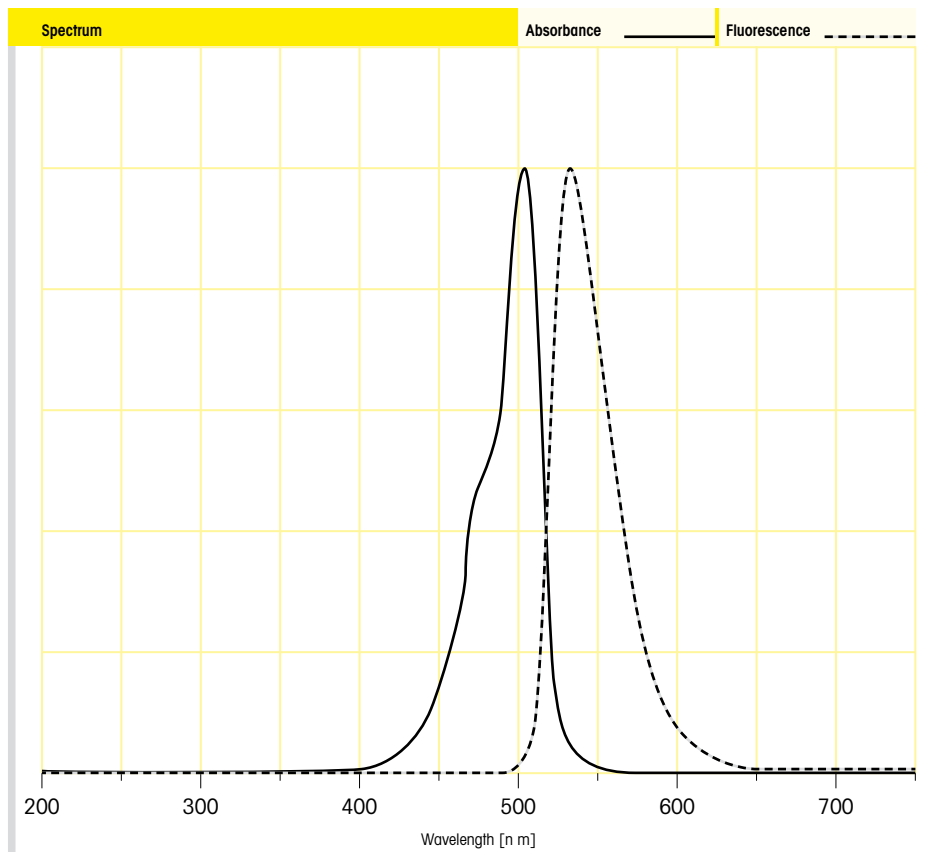
Molecular Formula C₃₁H₃₀ClN₂NaO₈S₂

Molecular Structure



Absorption max. 502 nm

Application 



$\lambda_{\max} = 503 \text{ nm} \mid 504 \text{ nm}$

Code 19640

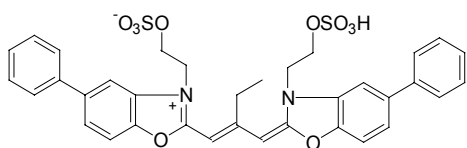
CAS No.

Chemical Name

3,3'-Bis(2-sulfatoethyl)-5,5'-diphenyl-9-ethyloxycarbocyanine betaine

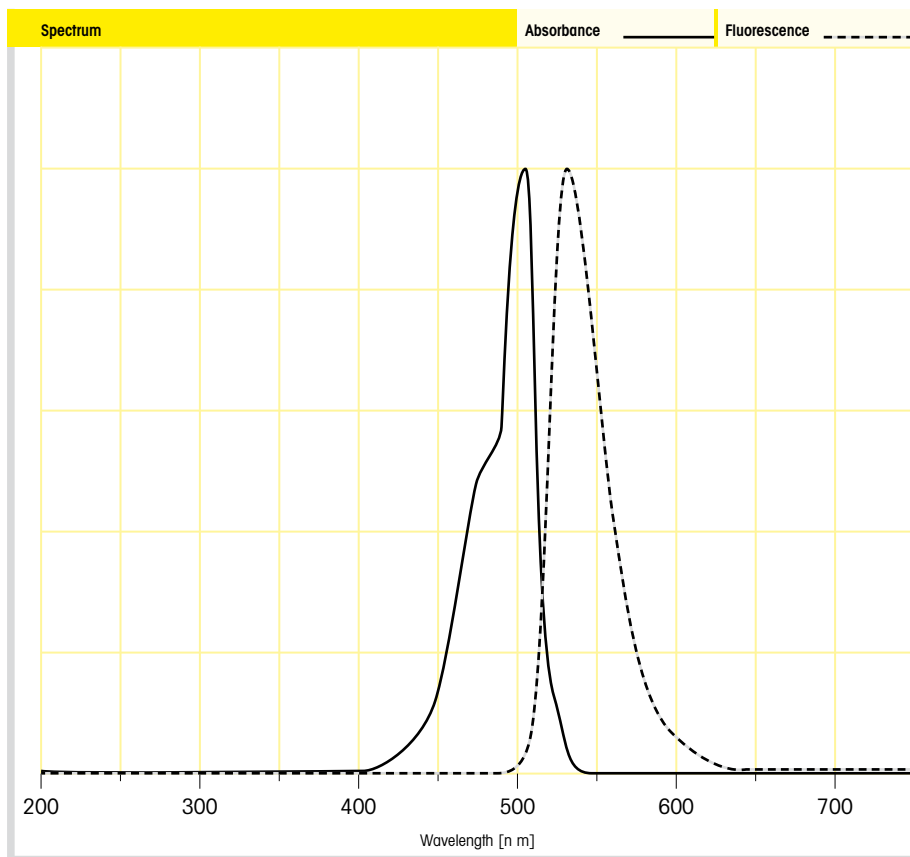
Molecular Formula C₃₅H₃₂N₂O₁₀S₂

Molecular Structure



Absorption max. 503 nm

Application



Code 12910

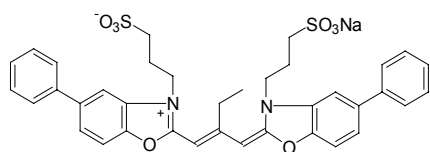
CAS No. 33628-03-4

Chemical Name

3,3'-Bis(3-sulfopropyl)-5,5'-diphenyl-9-ethyloxycarbocyanine betaine triethylammonium salt

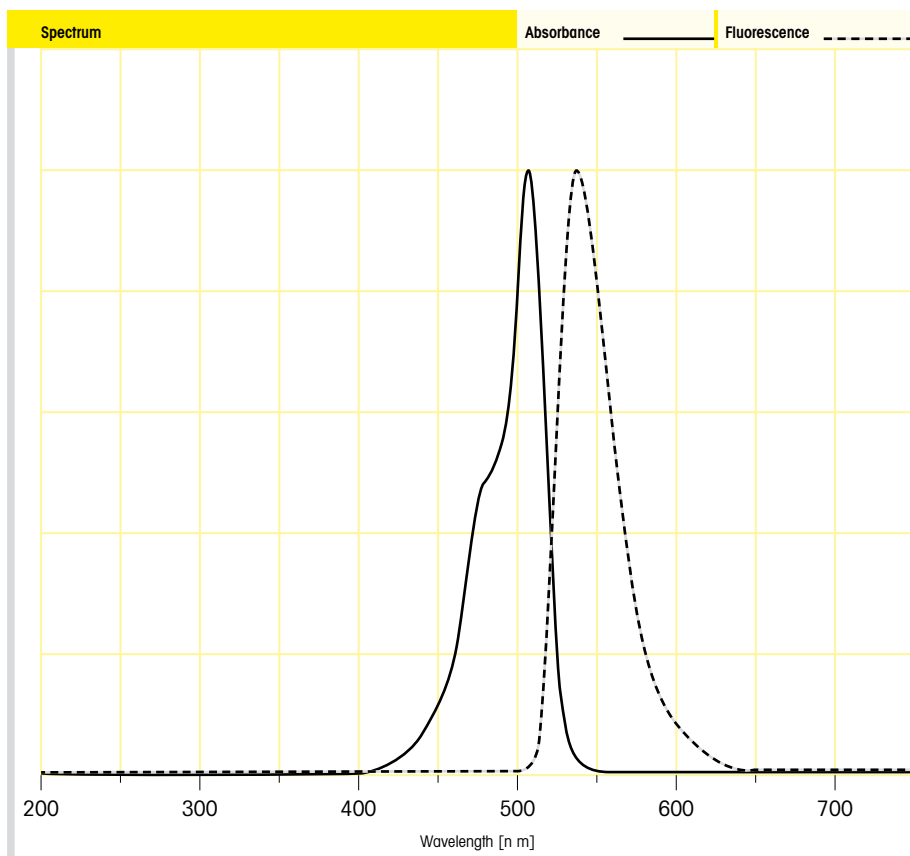
Molecular Formula C₃₇H₃₅N₂NaO₈S₂

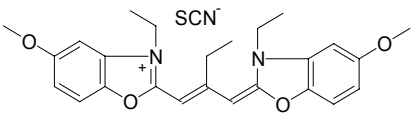

Molecular Structure

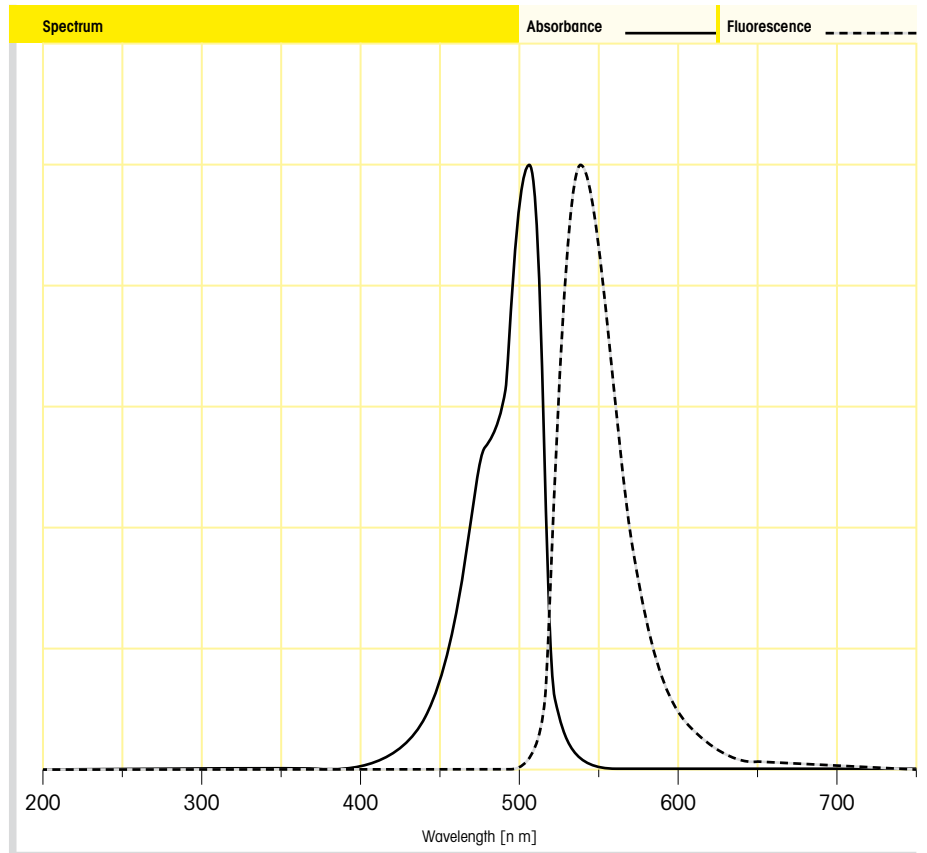


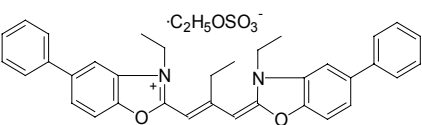

Absorption max. 504 nm

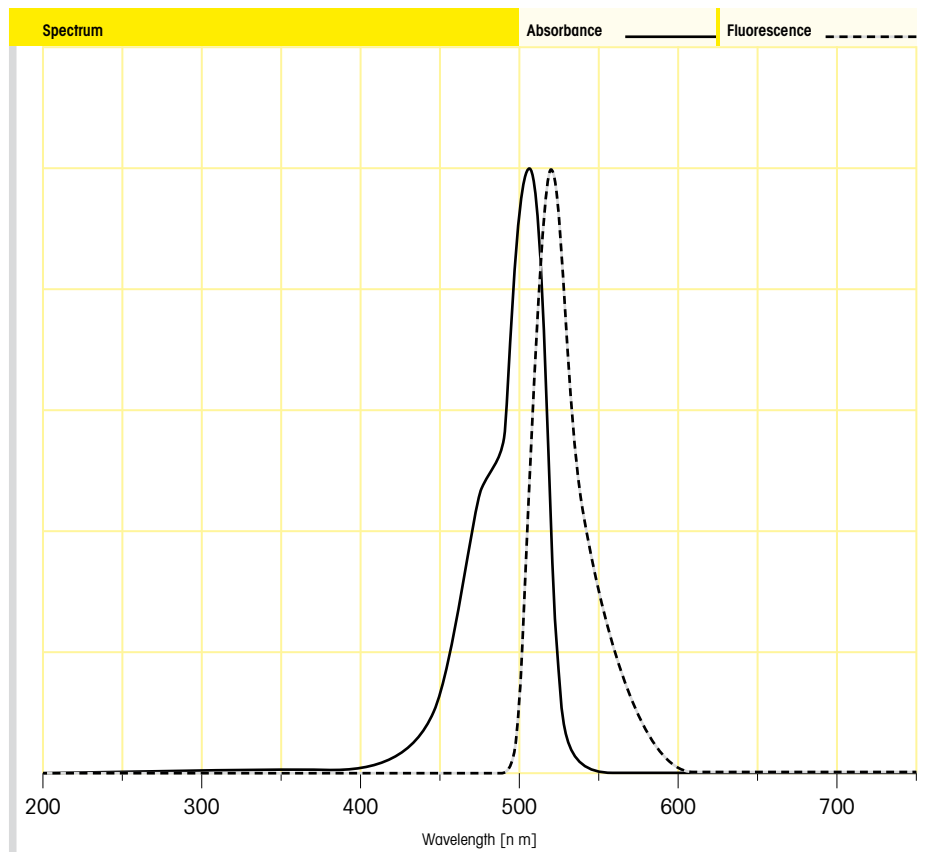
Application



Code	19550
CAS No.	
Chemical Name	
	5,5'-Dimethoxy-3,3',9-triethyloxacarbocyanine thiocyanate
Molecular Formula	C ₂₅ H ₂₉ N ₂ O ₄ .SCN
Molecular Structure	
	
Absorption max.	504 nm
Application	



Code	12680
CAS No.	41503-61-1
Chemical Name	
	5,5'-Diphenyl-3,3',9-triethyloxacarbocyanine ethylsulfate
Molecular Formula	C ₃₅ H ₃₃ N ₂ O ₂ .C ₂ H ₅ O ₄ S
Molecular Structure	
	
Absorption max.	505 nm
Application	



$\lambda_{\max} = 505 \text{ nm} \mid 505 \text{ nm}$

Code 12840

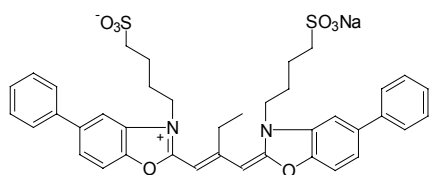
CAS No. 35501-76-9

Chemical Name

3,3'-Bis(4-sulfobutyl)-5,5'-diphenyl-9-ethylloxycarbocyanine betaine sodium salt

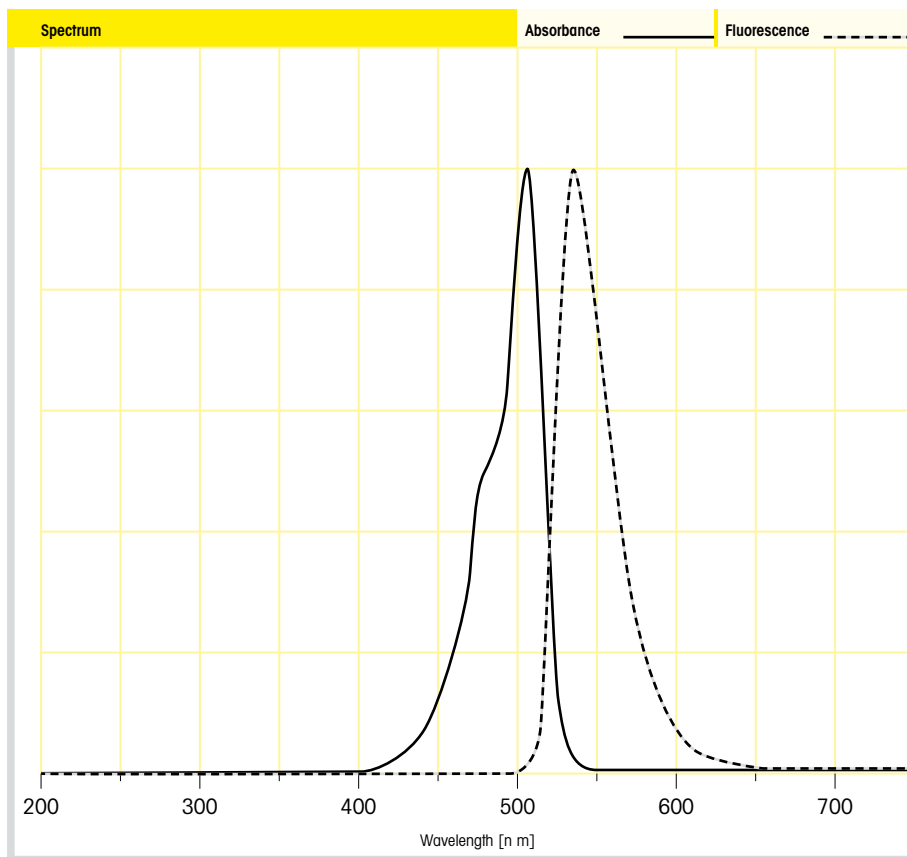
Molecular Formula C₃₉H₃₉N₂NaO₈S₂

Molecular Structure



Absorption max. 505 nm

Application



Code 17570

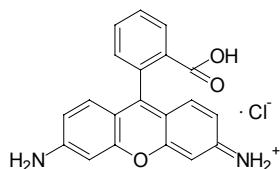
CAS No. 13558-31-1

Chemical Name

9-(2-Carboxyphenyl)-3,6-diamino-3H-xanthylum chloride (Rhodamine 110)

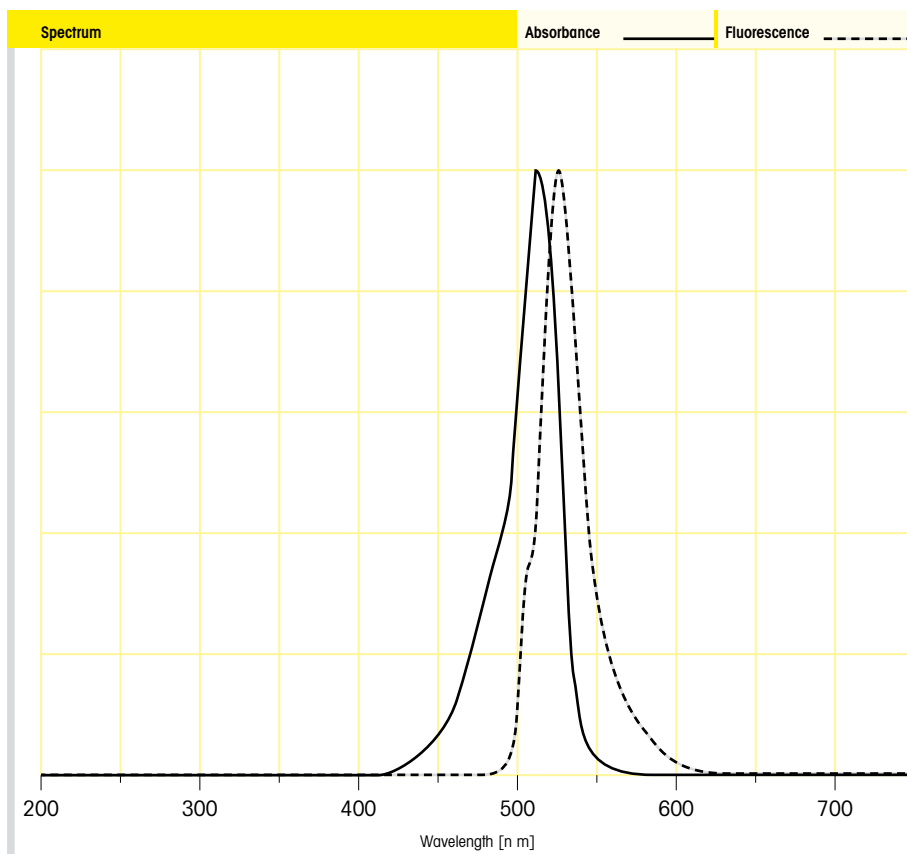
Molecular Formula C₂₀H₁₅N₂O₃.Cl

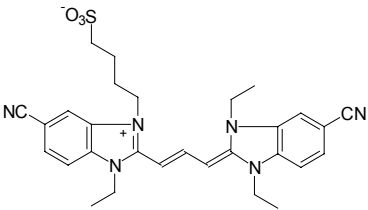

Molecular Structure

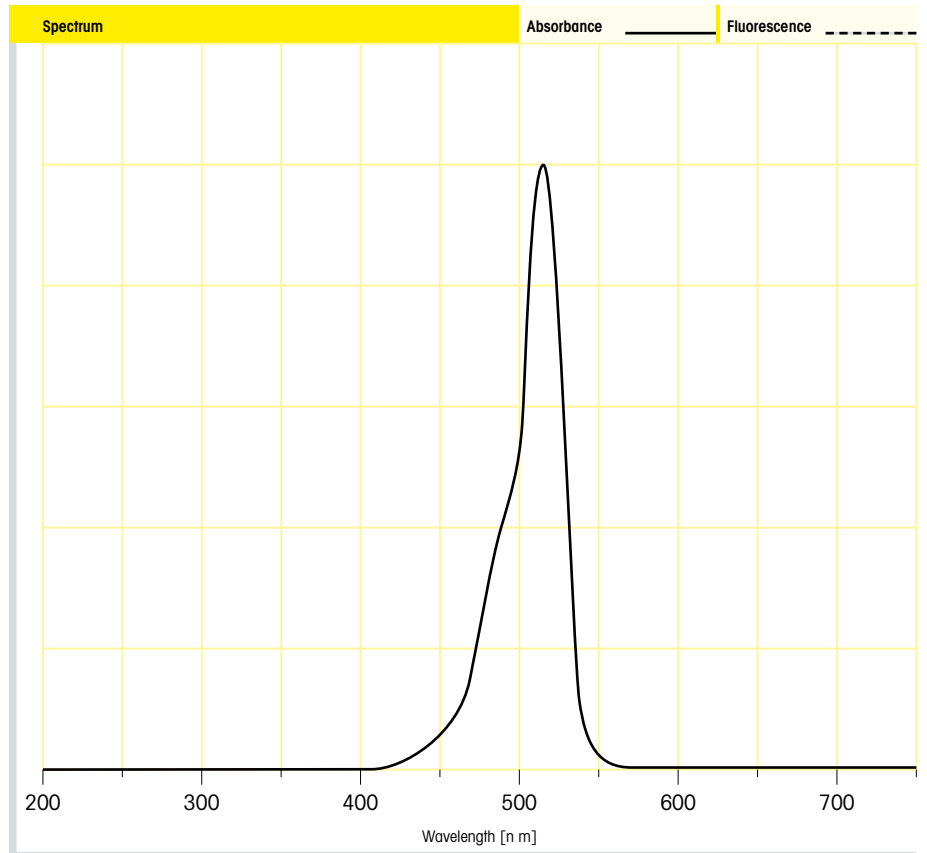


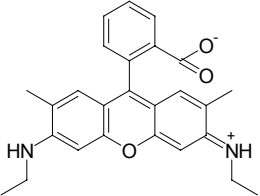

Absorption max. 505 nm

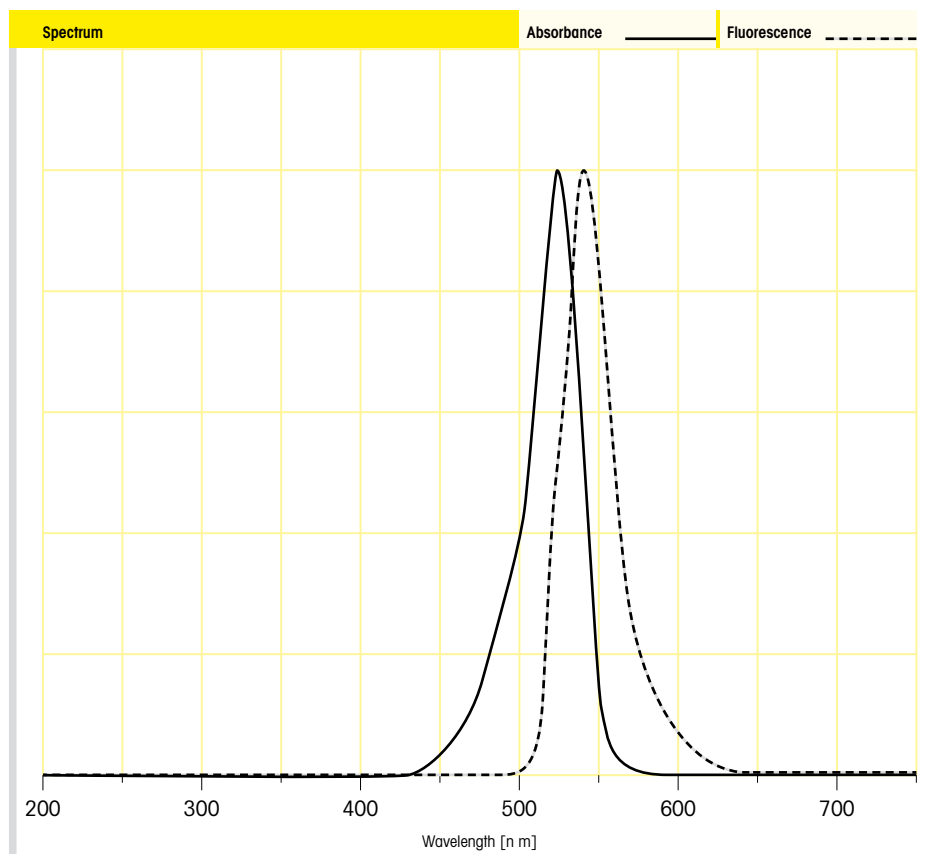
Application



Code	12850
CAS No.	32634-36-9
Chemical Name	5,5'-Dicyano-3-(4-sulfobutyl)-1,1',3'-triethylimidacarbocyanine betaine
Molecular Formula	C ₂₉ H ₃₂ N ₆ O ₃ S
Molecular Structure	
Absorption max.	516 nm
Application	



Code	06170
CAS No.	25152-49-2
Chemical Name	3,6-Bis(ethylamino)-9-(2-carboxyphenyl)-2,7-dimethyl-3H-xanthylium betaine (Rhodamine 19)
Molecular Formula	C ₂₆ H ₂₆ N ₂ O ₃
Molecular Structure	
Absorption max.	517 nm
Application	



$\lambda_{\max} = 522 \text{ nm} \mid 523 \text{ nm}$

Code 11092

CAS No. 502693-09-6

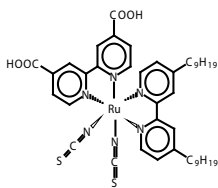
Name Z907

Chemical Name

Ruthenate(2-), [[2,2'-bipyridine]-4,4'-dicarbonylato(2-)-.kappa.N1,.kappa.N1'] (4,4'-dinonyl-2,2'-bipyridine-.kappa.N1,.kappa.N1')bis(thiocyanato-.kappa.N)- dihydrogen

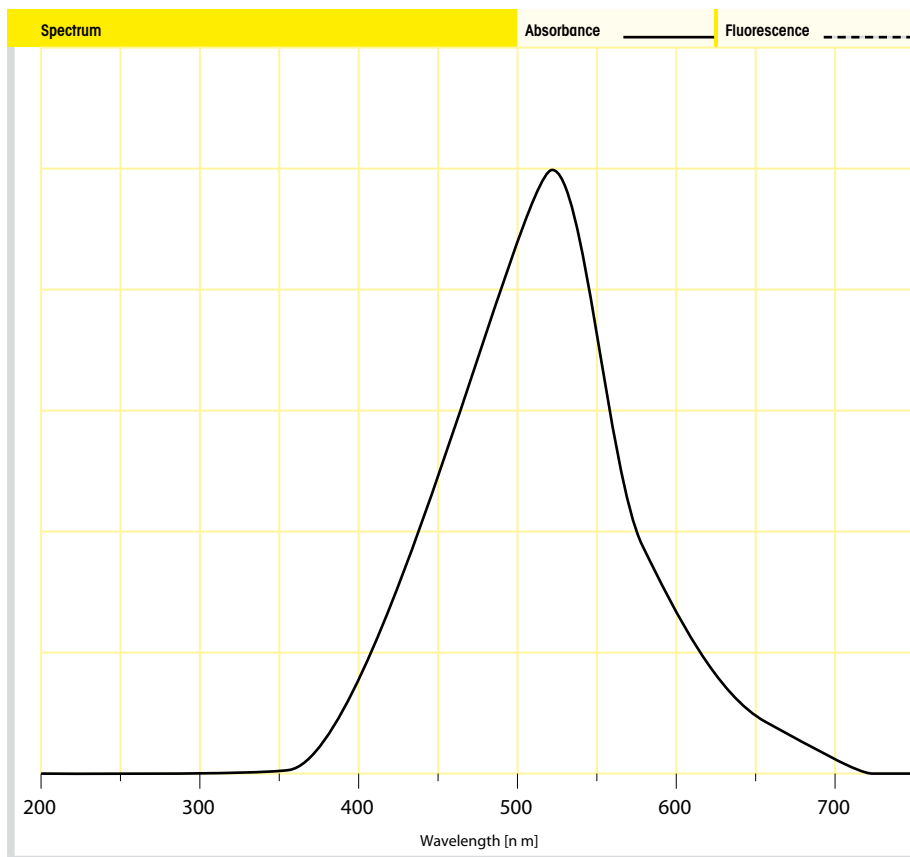
Molecular Formula C42H50N6O4RuS2.2H

Molecular Structure



Absorption max. 522 nm

Application



Code 12740

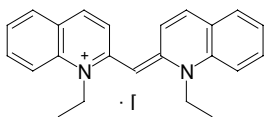
CAS No. 977-96-8

Chemical Name

1,1'-Diethyl-2,2'-cyanine iodide

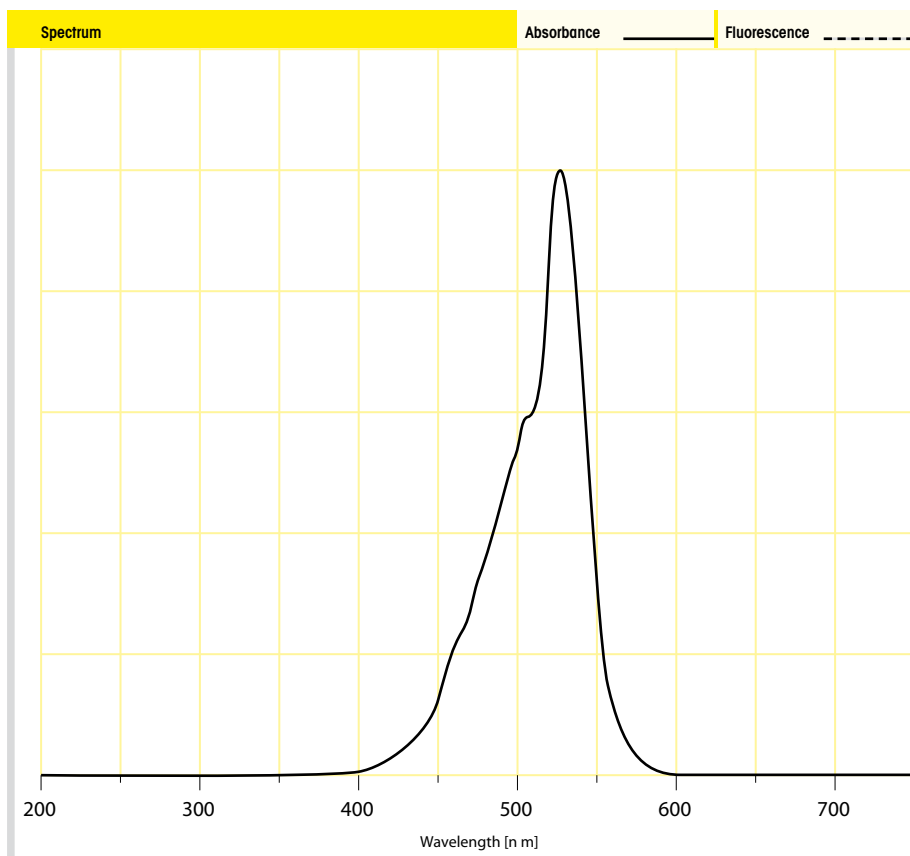
Molecular Formula C23H23N.I

Molecular Structure



Absorption max. 523 nm

Application



Code 17590

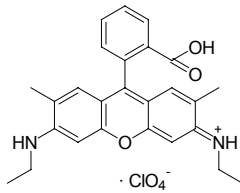
CAS No. 62669-66-3

Chemical Name

3,6-Bis(ethylamino)-9-(2-carboxyphenyl)-
2,7-dimethyl-3H-xanthylium perchlorate
(Rhodamine 19P)

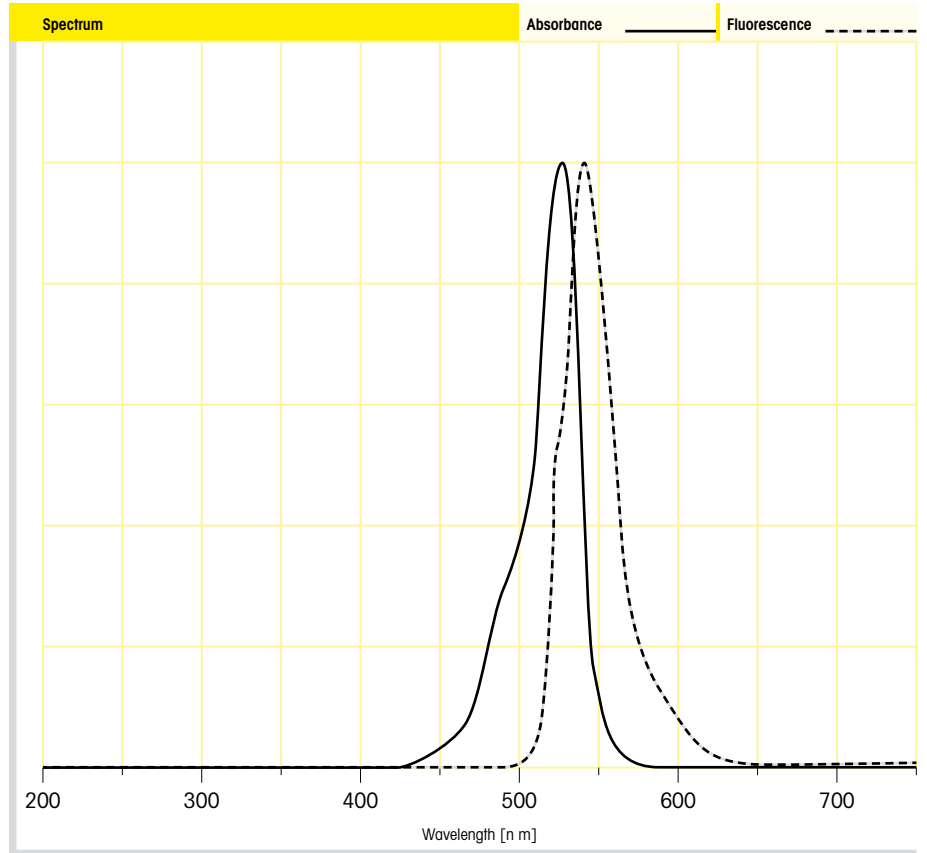
Molecular Formula C₂₆H₂₇N₂O₃.ClO₄

Molecular Structure



Absorption max. 526 nm

Application



Code 12690

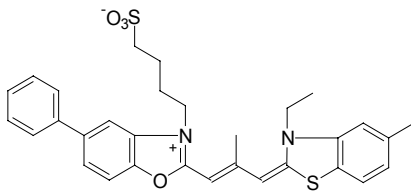
CAS No. 77837-26-4

Chemical Name

5,9-Dimethyl-3-ethyl-5'-phenyl-
3'-(4-sulfobutyl)oxathiacyanine betaine

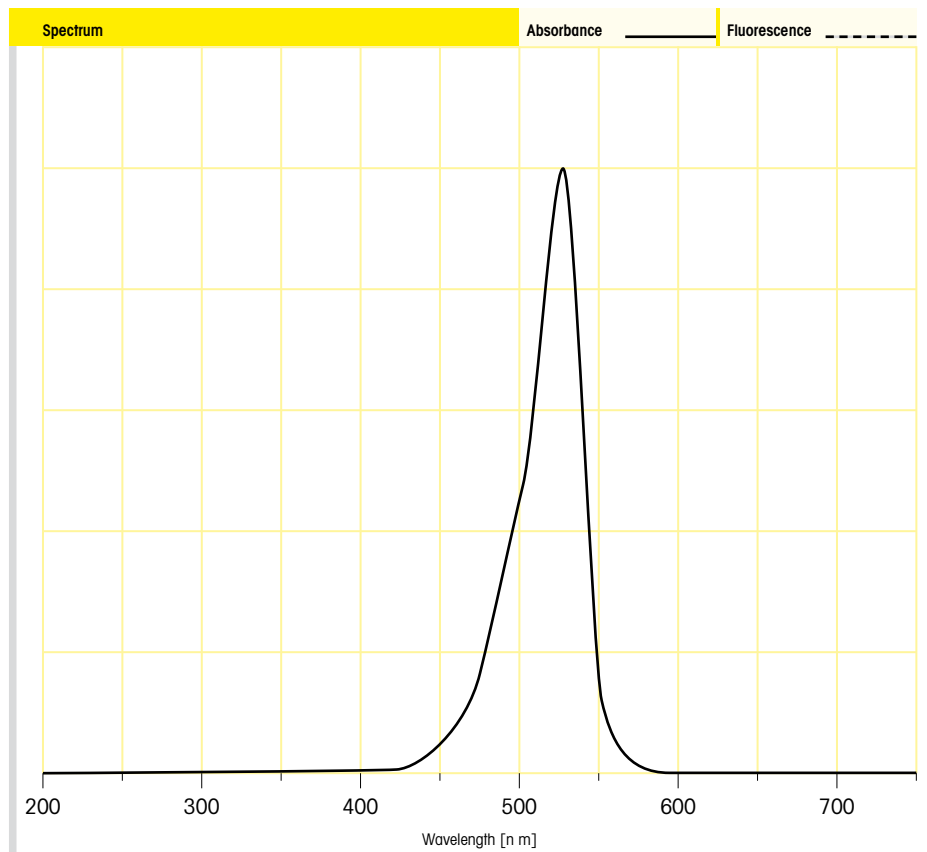
Molecular Formula C₃₁H₃₂N₂O₄S₂

Molecular Structure



Absorption max. 527 nm

Application



$\lambda_{\max} = 527 \text{ nm} \mid 535 \text{ nm}$

Code 17640

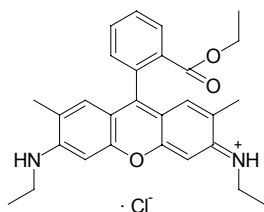
CAS No. 989-38-8

Chemical Name

3,6-Bis(ethylamino)-2,7-dimethyl-9-(2-ethoxycarbonylphenyl)-3H-xanthylium chloride (Rhodamine 6G)

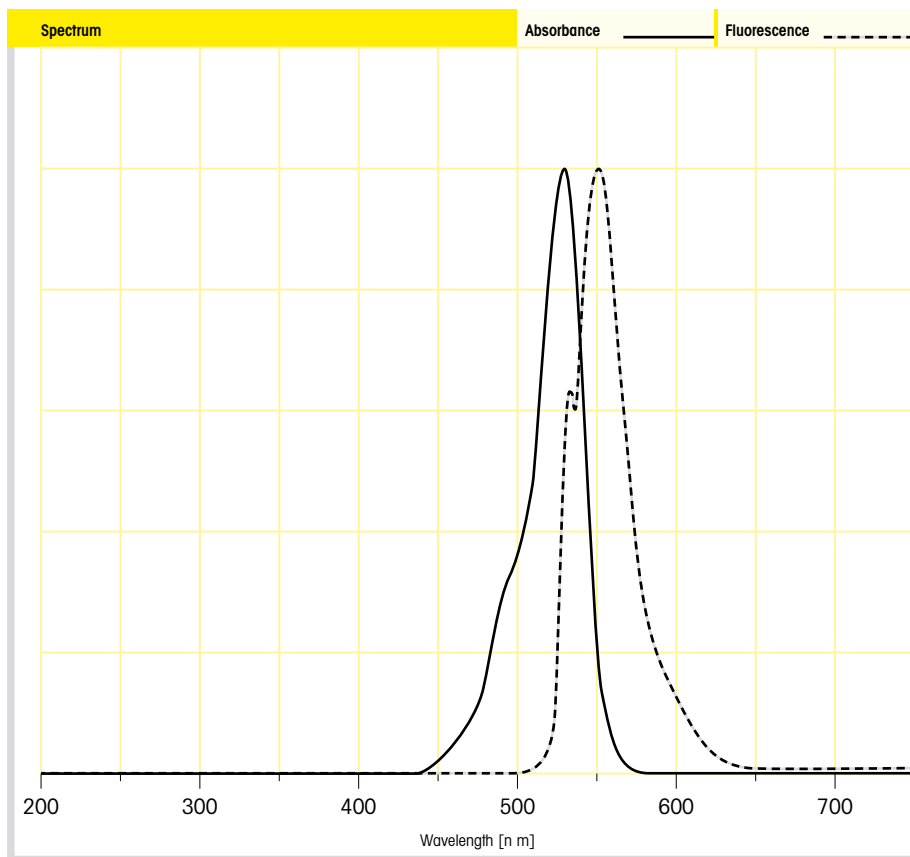
Molecular Formula C₂₈H₃₁N₂O₃.Cl

Molecular Structure



Absorption max. 527 nm

Application



Code 12320

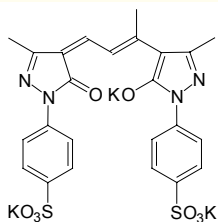
CAS No. 92050-35-6

Chemical Name

1,1'-Bis(4-sulfophenyl)-5,5'-dihydroxy-3,3', α -trimethylpyrazolo-4,4'-trimethine oxonole tripotassium salt

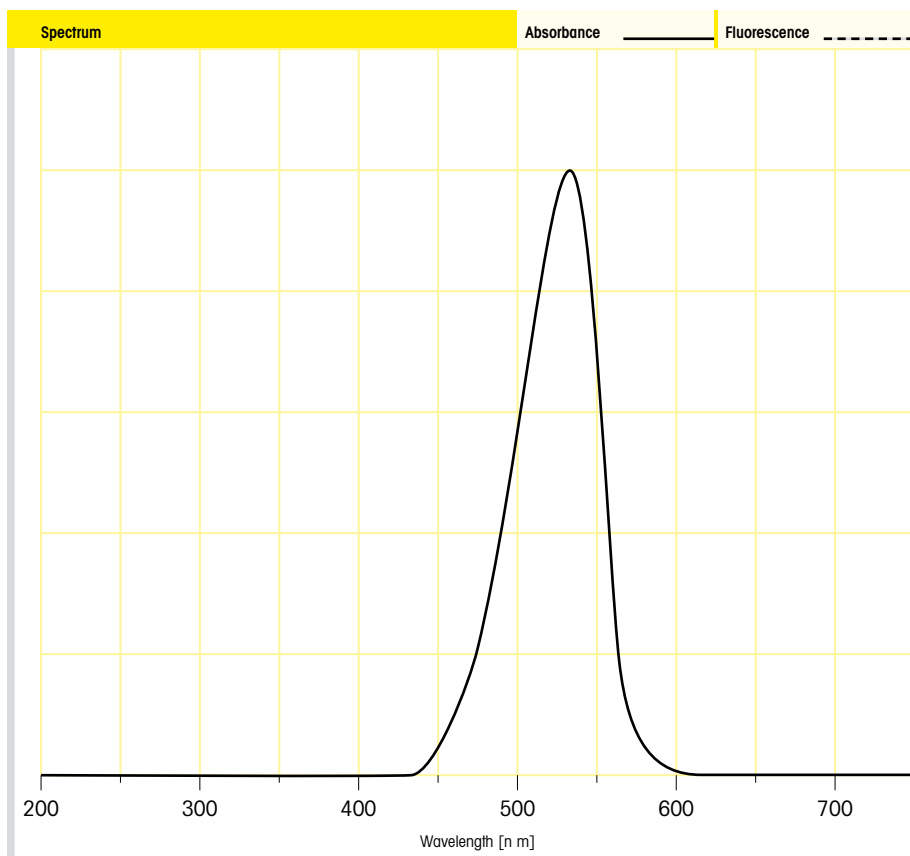
Molecular Formula C₂₄H₁₉K₃N₄O₈S₂

Molecular Structure



Absorption max. 535 nm

Application



Code 05290

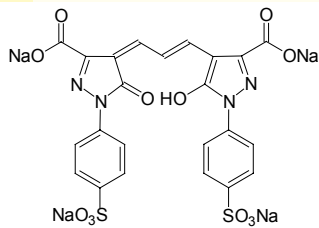
CAS No. 70024-44-1

Chemical Name

1,1'-Bis(4-sulphonyl)-3,3'-dicarboxy-5,5'-dihydropyrazolo-4,4'-trimethine oxonole tetrasodium salt

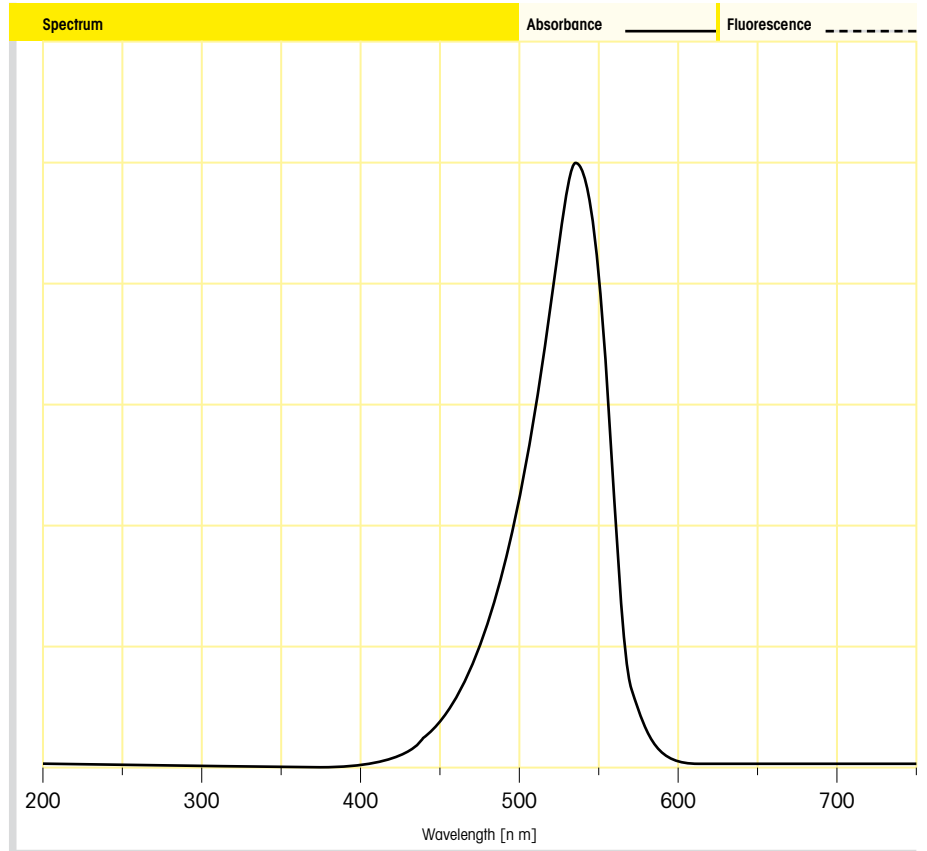
Molecular Formula $C_{23}H_{16}N_4O_{12}S_2, 4Na$

Molecular Structure



Absorption max. 537 nm

Application



Code 11070

CAS No. 207347-46-4

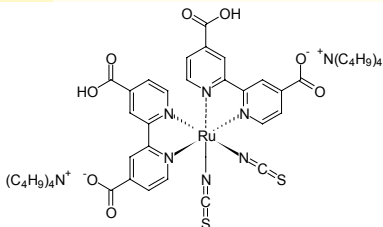
Name N719

Chemical Name

cis-Bis(4,4'-dicarboxy-2,2'-bipyridin) diisothiocyanato-Ruthenium(II), Bis-TBA-salt

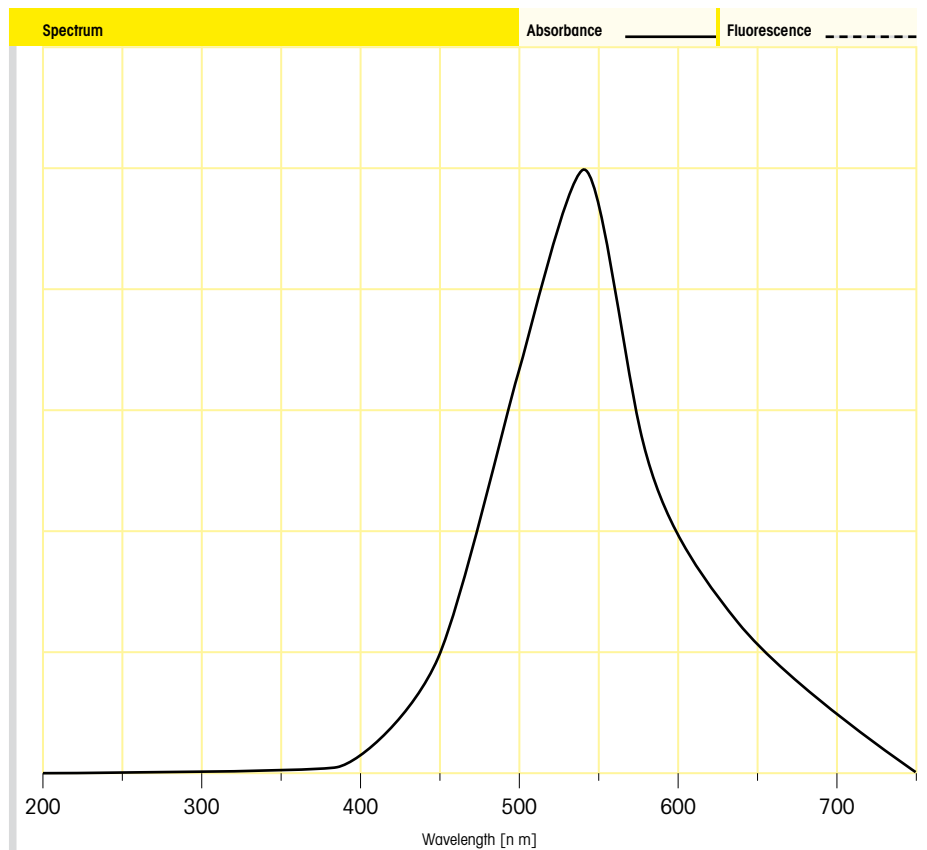
Molecular Formula $C_{58}H_{86}N_{8}O_{8}RuS_2$

Molecular Structure



Absorption max. 538 nm

Application



$\lambda_{\max} = 543 \text{ nm} \mid 545 \text{ nm}$

Code 12860

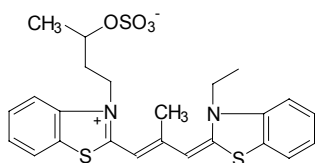
CAS No. 52525-55-0

Chemical Name

3-Ethyl-9-methyl-3'-(3-sulfatobutyl)
thiacarbocyanine betaine

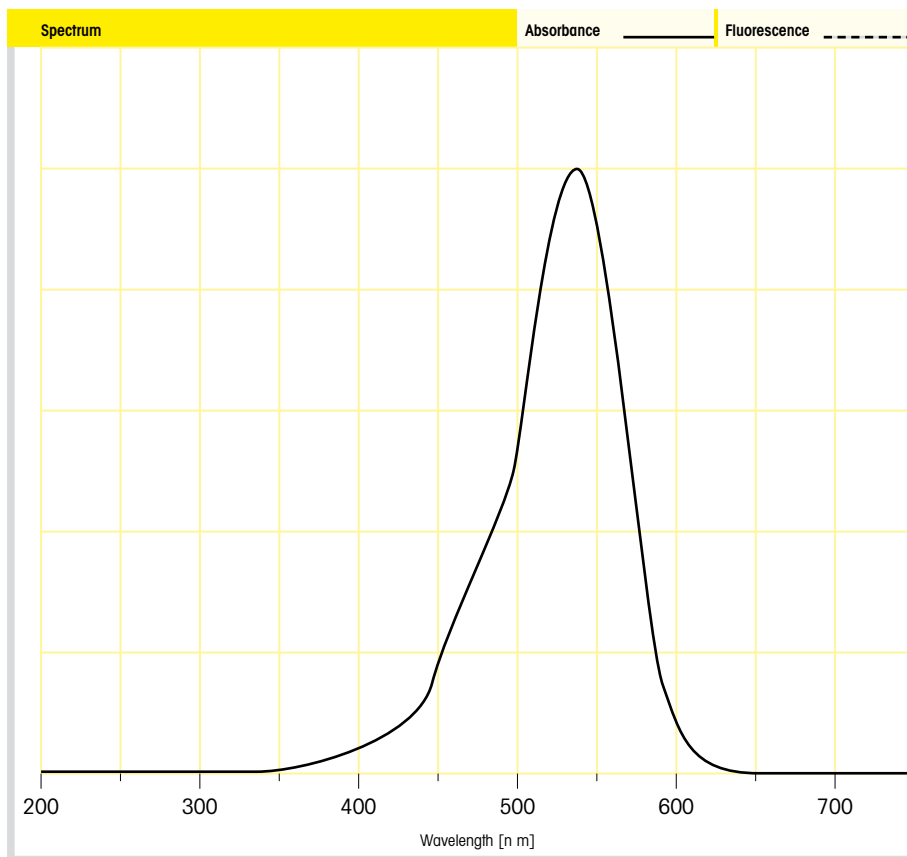
Molecular Formula C₂₄H₂₆N₂O₄S₃

Molecular Structure



Absorption max. 543 nm

Application



Code 12510

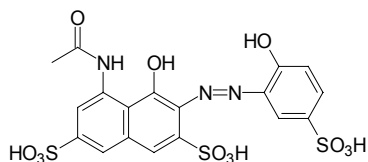
CAS No. 101708-53-6

Chemical Name

8-Acetamido-2-(2-hydroxy-5-sulfophenyl)
azo-1-naphthol-3,6-disulfonic acid

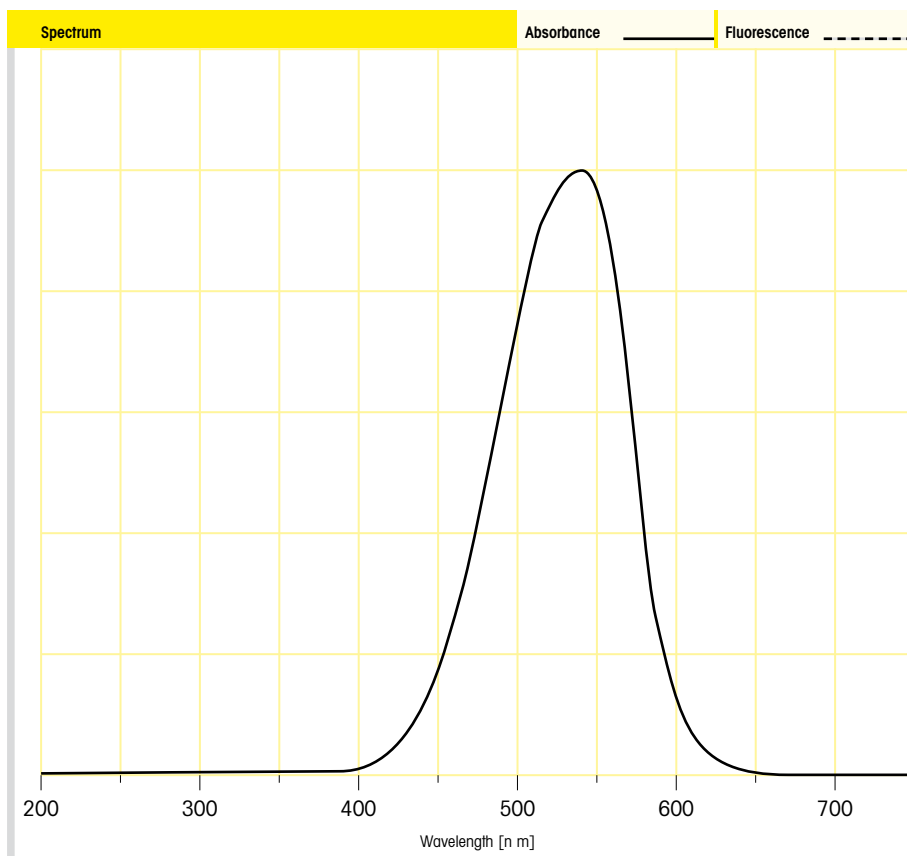
Molecular Formula C₁₈H₁₅N₃O₁₂S₃

Molecular Structure



Absorption max. 545 nm

Application



Code 12720

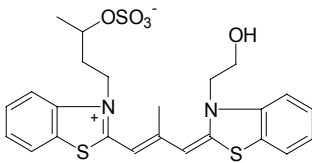
CAS No. 103534-62-9

Chemical Name


3-(2-Hydroxyethyl)-9-methyl-3'-(3-sulfatobutyl)thiacarbocyanine betaine

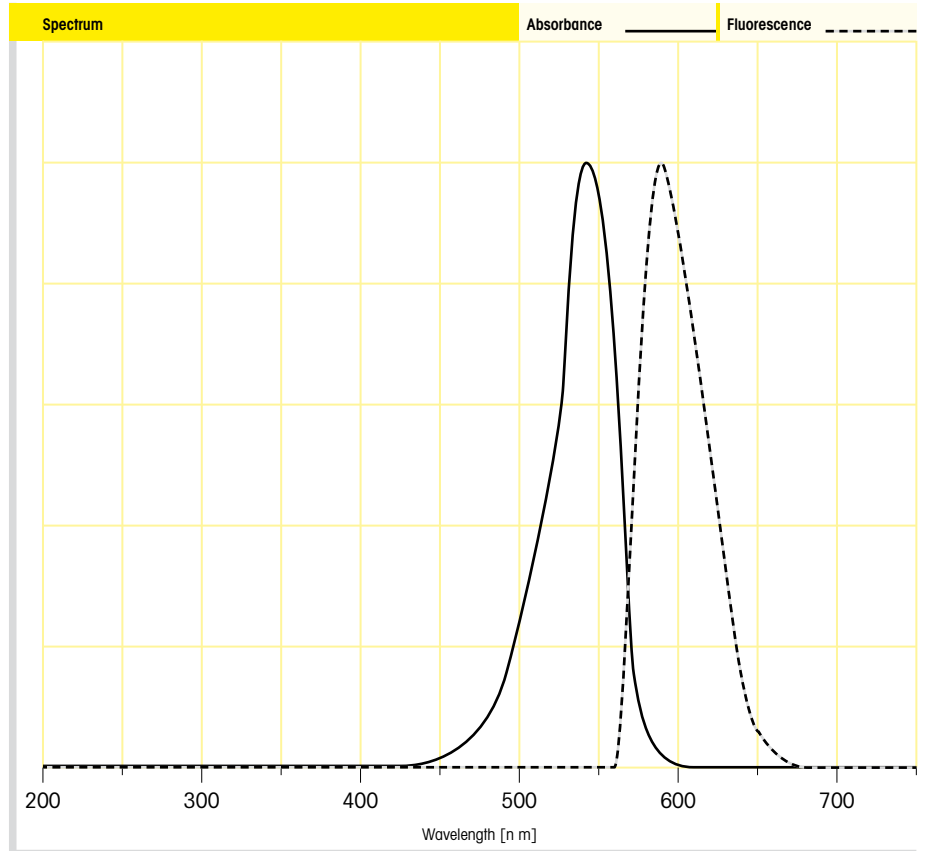
Molecular Formula C₂₄H₂₆N₂O₅S₃

Molecular Structure



Absorption max. 546 nm

Application 



Code 17440

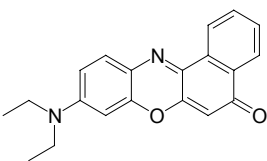
CAS No. 7385-67-3

Chemical Name

9-Diethylaminobenzo[a]phenoxazine
(Nile Red)

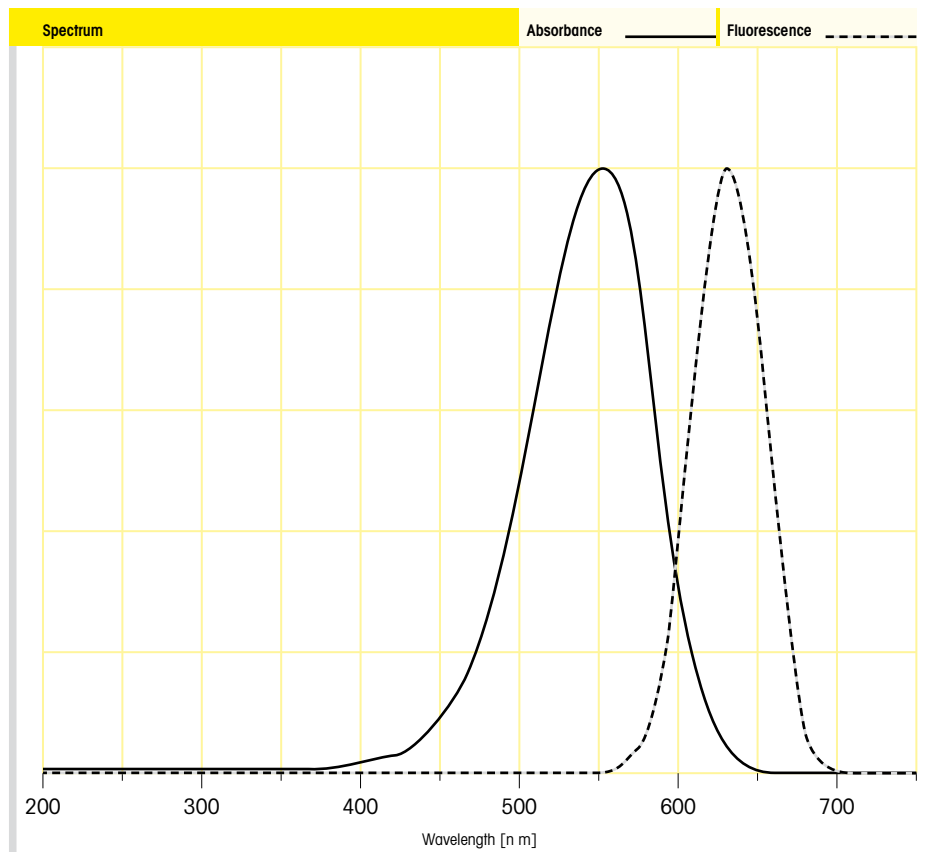
Molecular Formula C₂₀H₁₈N₂O₂

Molecular Structure

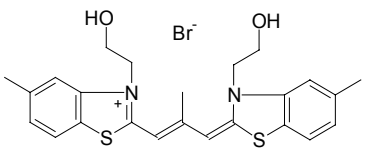



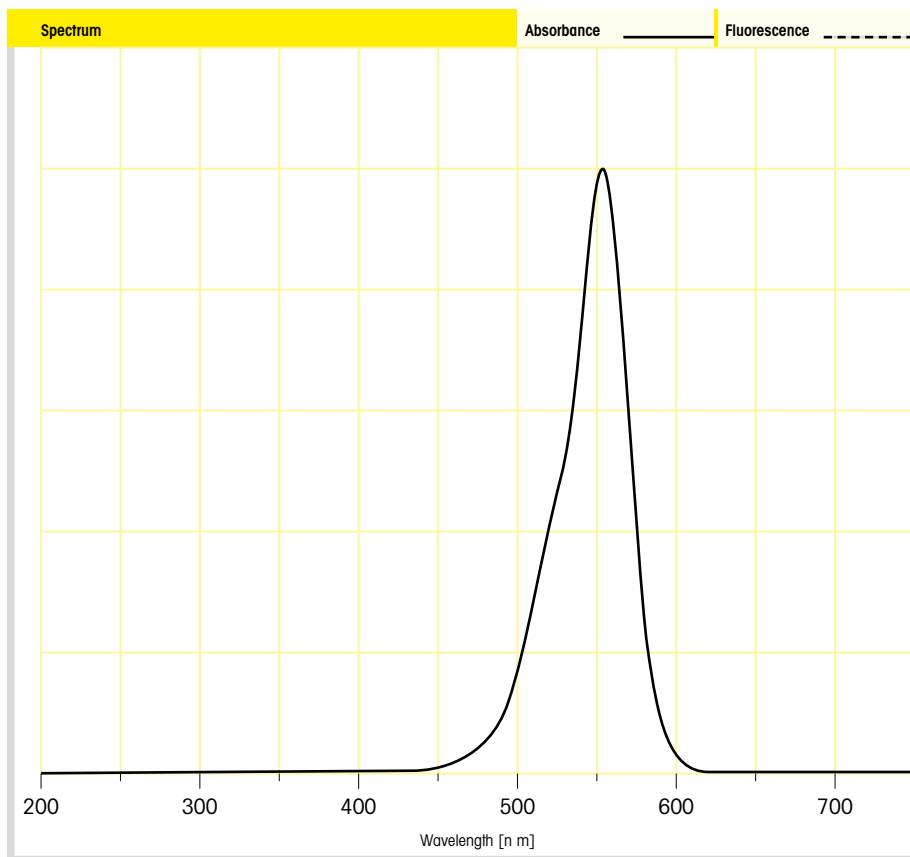
Absorption max. 551 nm

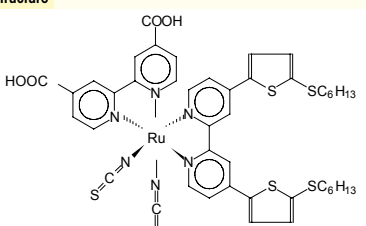

Application 

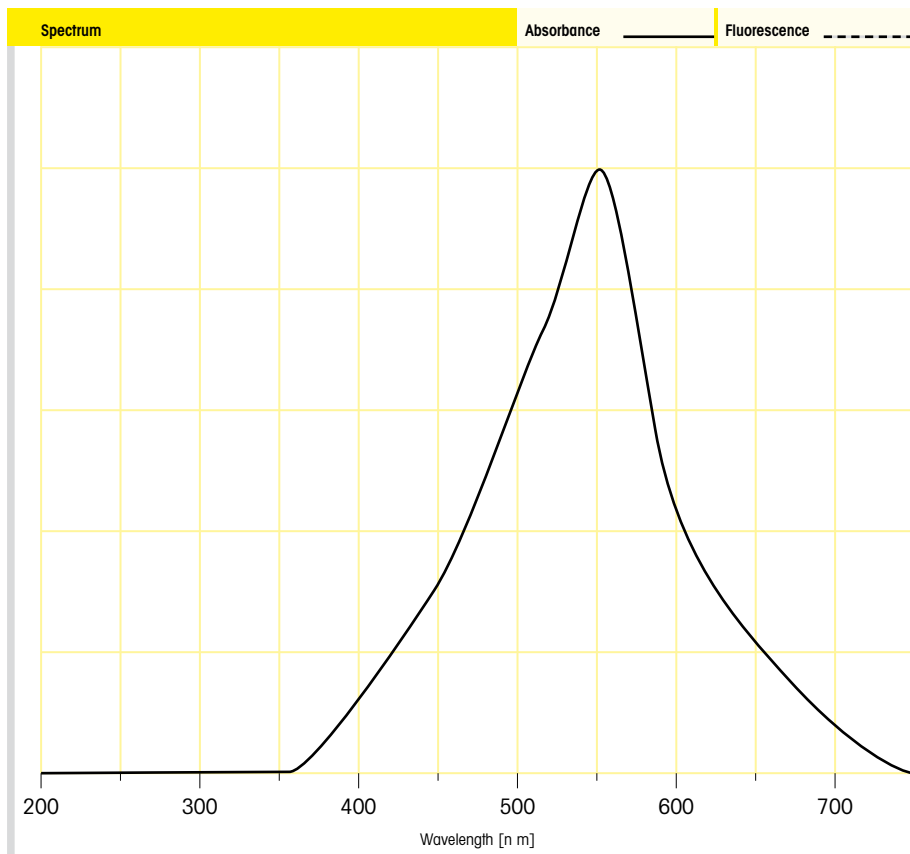


$\lambda_{\max} = 551 \text{ nm} \mid 551 \text{ nm}$

Code	30090
CAS No.	
Chemical Name	3,3'-Bis(2-hydroxyethyl)-5,5',9-trimethylthiacarbocyanine bromide
Molecular Formula	C ₂₄ H ₂₇ N ₂ O ₂ S ₂ .Br
Molecular Structure	
Absorption max.	551 nm
Application	



Code	58310
CAS No.	1152310-69-4
Name	C106
Chemical Name	Ruthenate(2-), [[2,2'-bipyridine]-4,4'-dicarboxylato(2-)-.kappa.N1,.kappa.N1'] [4,4'-bis[5-(hexylthio)-2-thienyl]-2,2'-bipyridine-.kappa.N1,.kappa.N1']bis(thiocyanato-.kappa.N)-, hydrogen (1:2)
Molecular Formula	C ₄₄ H ₄₂ N ₆ O ₄ RuS ₆ .2H
Molecular Structure	
Absorption max.	551 nm
Application	



Code 12940

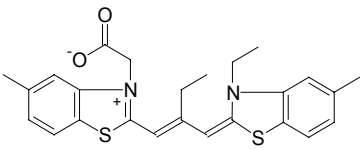
CAS No. 52749-17-4

Chemical Name

3-Carboxymethyl-3',9-diethyl-5,5'-dimethylthiacarbocyanine betaine

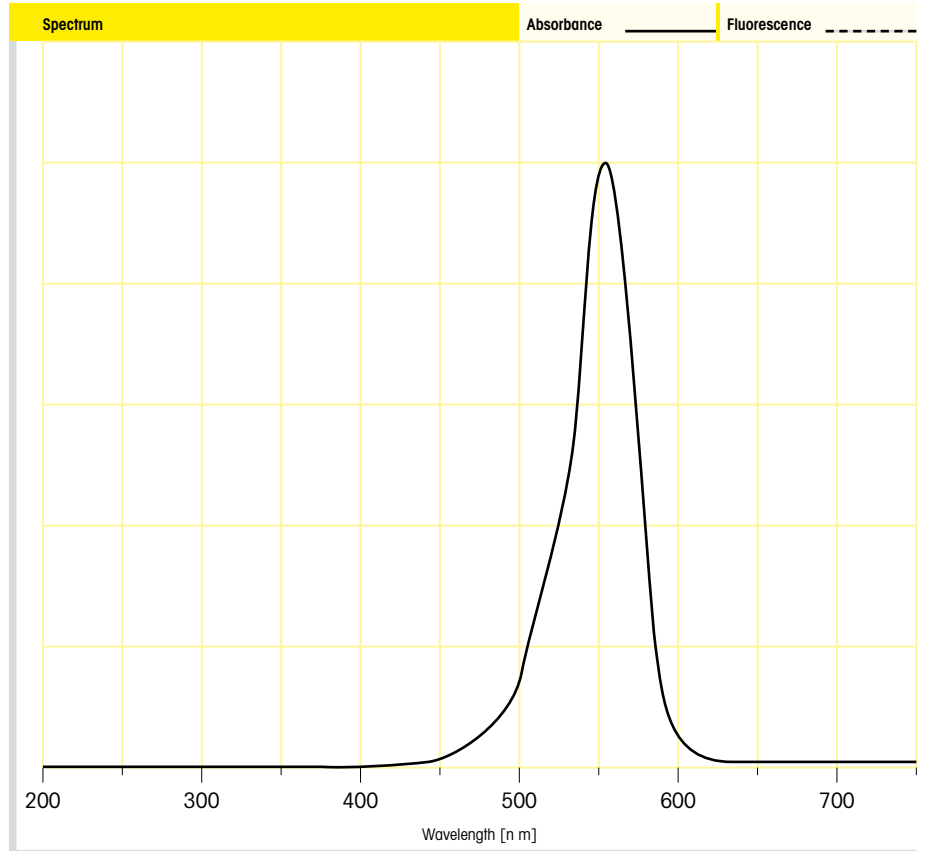
Molecular Formula C₂₅H₂₆N₂O₂S₂

Molecular Structure



Absorption max. 552 nm

Application 



Code 12330

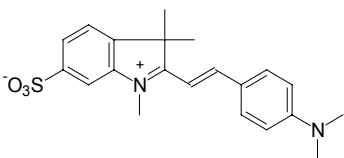
CAS No. 143239-22-9

Chemical Name

2-(4-Dimethylaminostyryl)-6-sulfo-1,3,3-trimethylindolium betaine

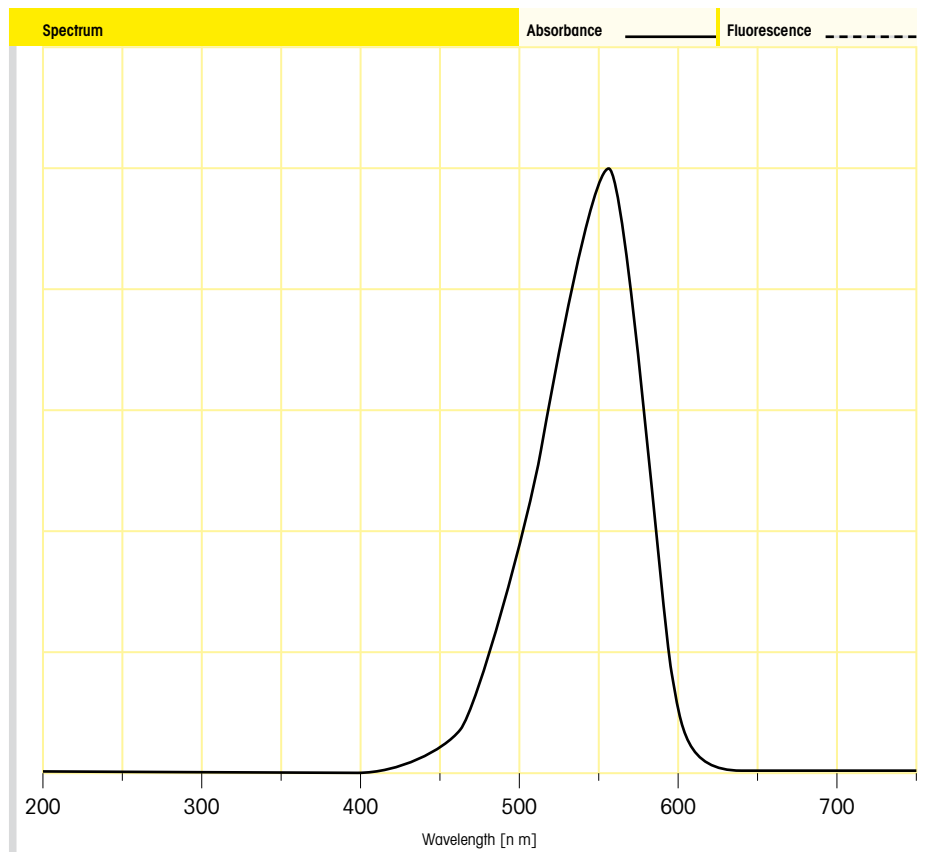
Molecular Formula C₂₁H₂₄N₂O₃S

Molecular Structure



Absorption max. 555 nm

Application 



$\lambda_{\max} = 555 \text{ nm} \mid 556 \text{ nm}$

Code 12710

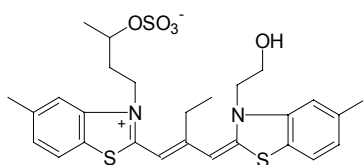
CAS No. 117898-57-4

Chemical Name

5,5'-Dimethyl-9-ethyl-3-(2-hydroxyethyl)-3'-(3-sulfatobutyl)thiacarbocyanine betaine

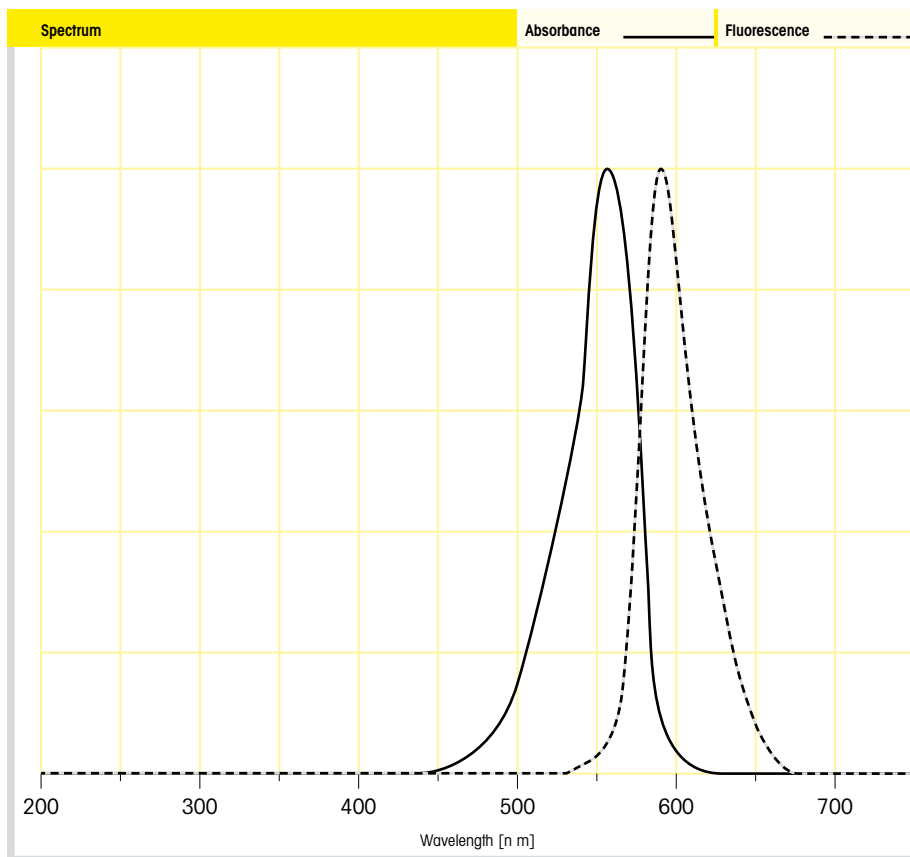
Molecular Formula C₂₇H₃₂N₂O₅S₃

Molecular Structure



Absorption max. 555 nm

Application



Code 12760

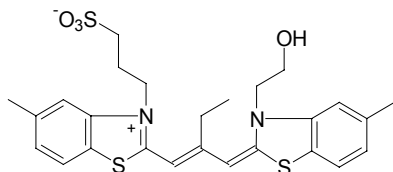
CAS No. 52525-52-7

Chemical Name

5,5'-Dimethyl-9-ethyl-3-(2-hydroxyethyl)-3'-(3-sulfopropyl)thiacarbocyanine betaine

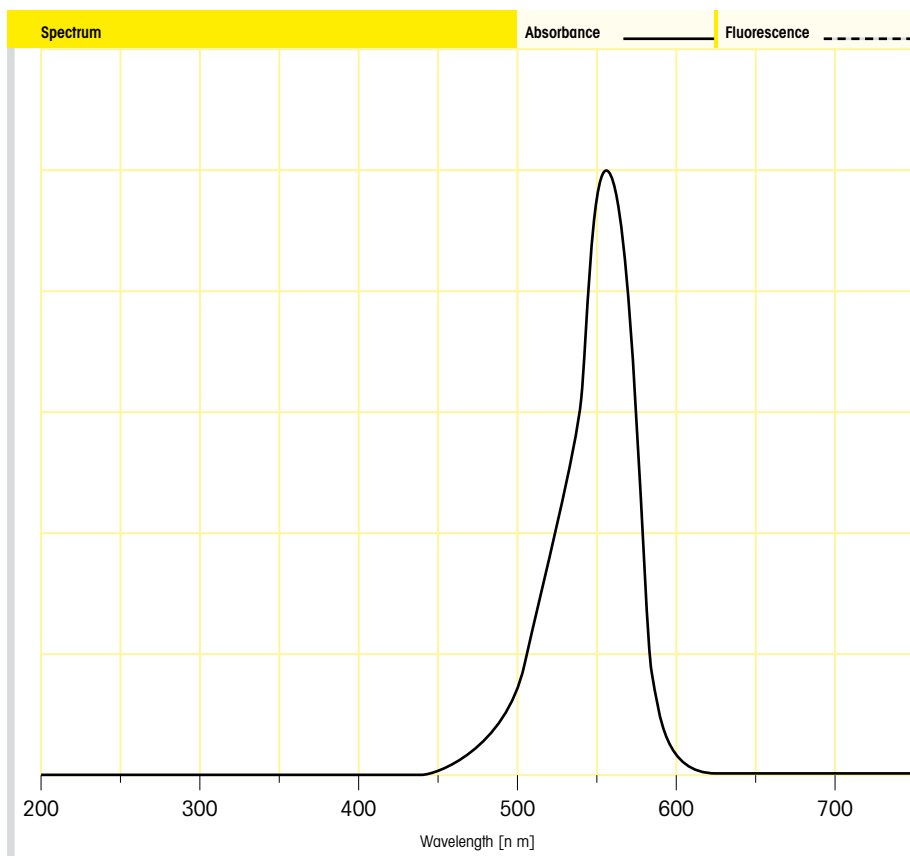
Molecular Formula C₂₆H₃₀N₂O₄S₃

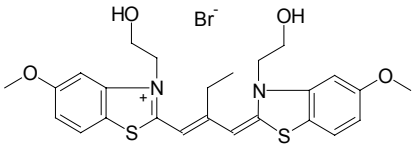

Molecular Structure

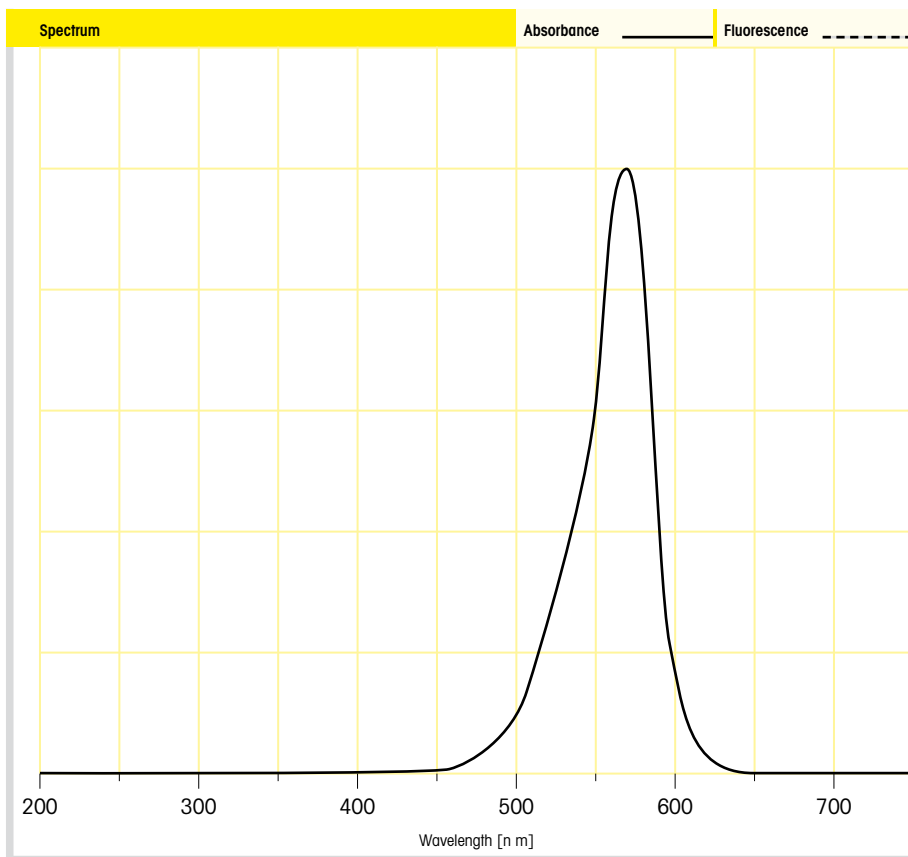


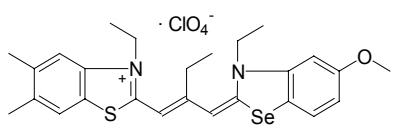

Absorption max. 556 nm

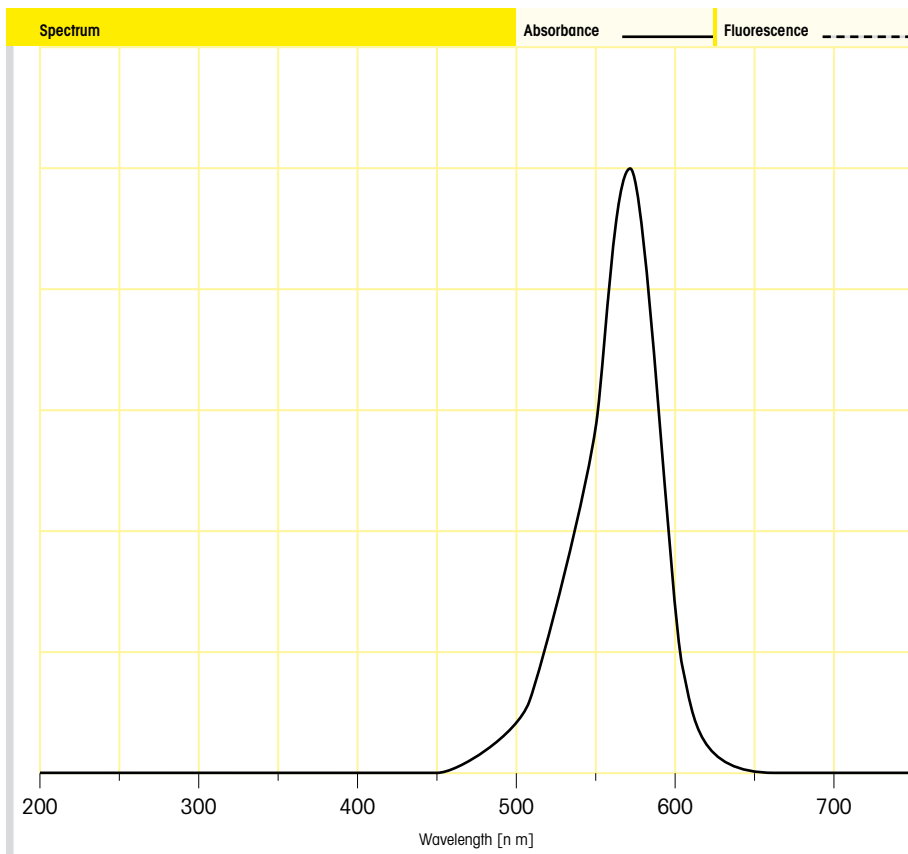
Application



Code	30080
CAS No.	
Chemical Name	
	3,3'-Bis(2-hydroxyethyl)-5,5'-dimethoxy-9-ethylthiacarbocyanine bromide
Molecular Formula	C ₂₅ H ₂₉ N ₂ O ₄ S ₂ .Br
Molecular Structure	
	
Absorption max.	564 nm
Application	



Code	19670
CAS No.	
Chemical Name	
	5',6'-Dimethyl-5-methoxy-3,3',9-triethylselenathiacarbocyanine perchlorate
Molecular Formula	C ₂₆ H ₃₁ N ₂ OSSe.ClO ₄
Molecular Structure	
	
Absorption max.	565 nm
Application	



$\lambda_{\max} = 566 \text{ nm} \mid 573 \text{ nm}$

Code 12870

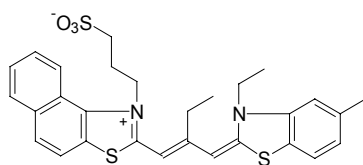
CAS No. 28784-39-6

Chemical Name

4,5-Benzo-3',9-diethyl-5'-methyl-3-(3-sulfopropyl)thiacarbocyanine betaine

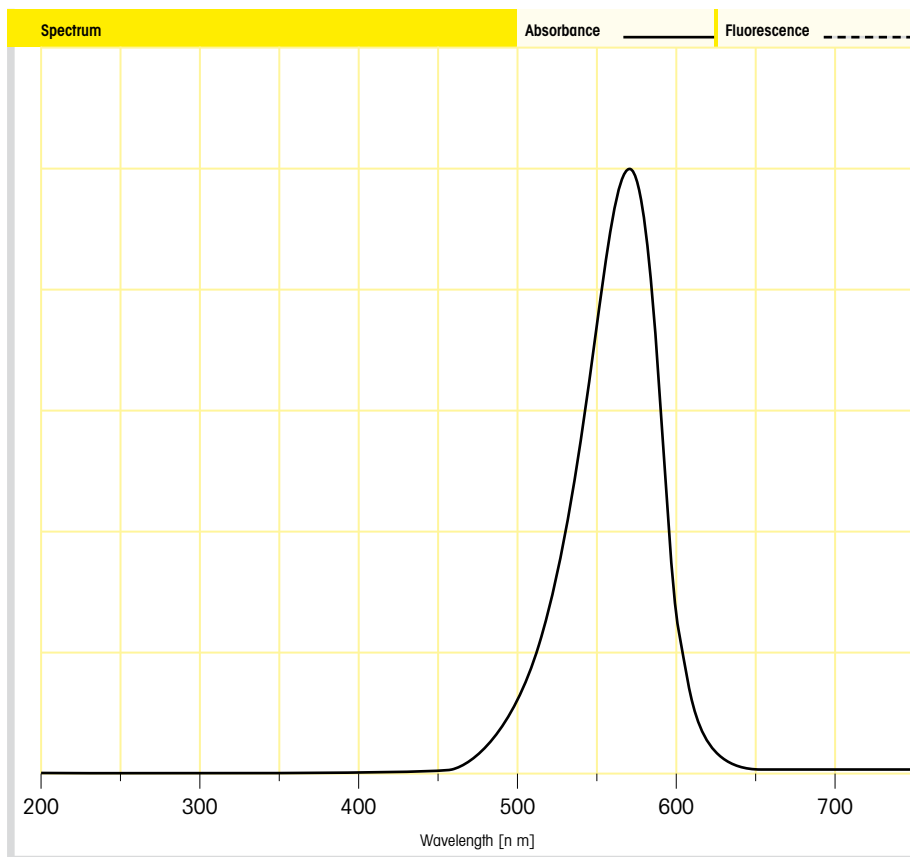
Molecular Formula C₂₉H₃₀N₂O₃S₃

Molecular Structure



Absorption max. 566 nm

Application



Code 07850

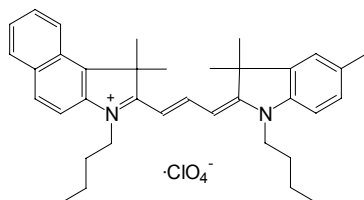
CAS No. 215370-93-7

Chemical Name

4,5-Benzo-1,1'-dibutyl-3,3,3',3',5-pentamethylindacarbocyanine perchlorate

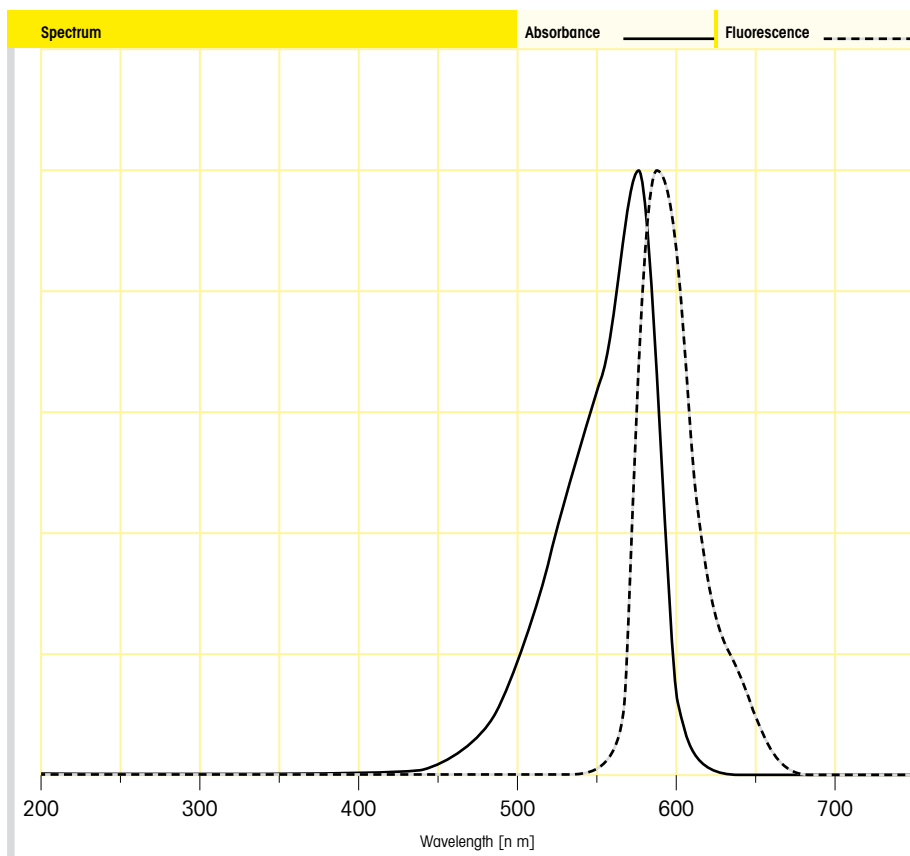
Molecular Formula C₃₆H₄₅N₂.ClO₄

Molecular Structure



Absorption max. 573 nm

Application



Code 12880

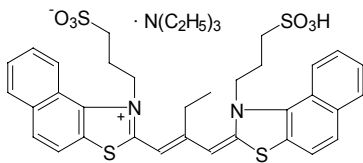
CAS No. 23216-67-3

Chemical Name

3,3'-Bis(3-sulfopropyl)-4,5:4',5'-dibenzo-9-ethylthiacarbocyanine betaine triethylammonium salt

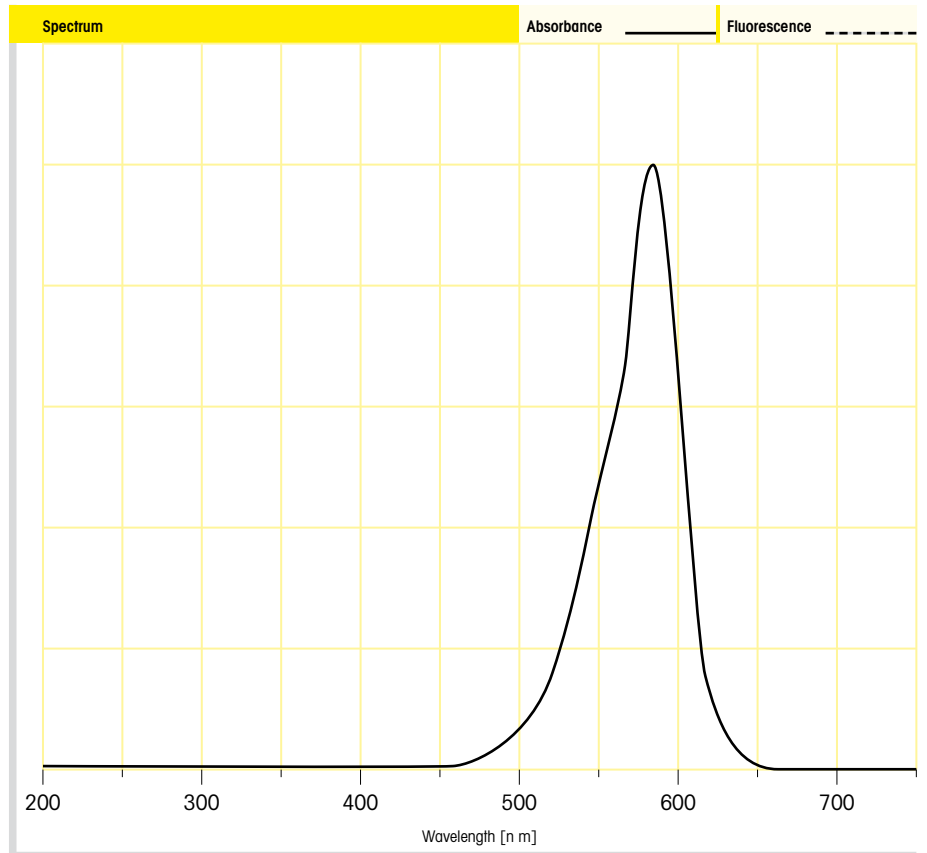
Molecular Formula C₃₉H₄₇N₃O₆S₄

Molecular Structure



Absorption max. 578 nm

Application



Code 11680

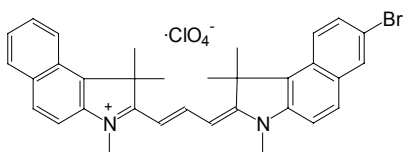
CAS No.

Chemical Name

4'-Bromo-4,5:4',5'-dibenzo-1,1',3,3,3',3'-hexamethylindacarbo-cyanine perchlorate

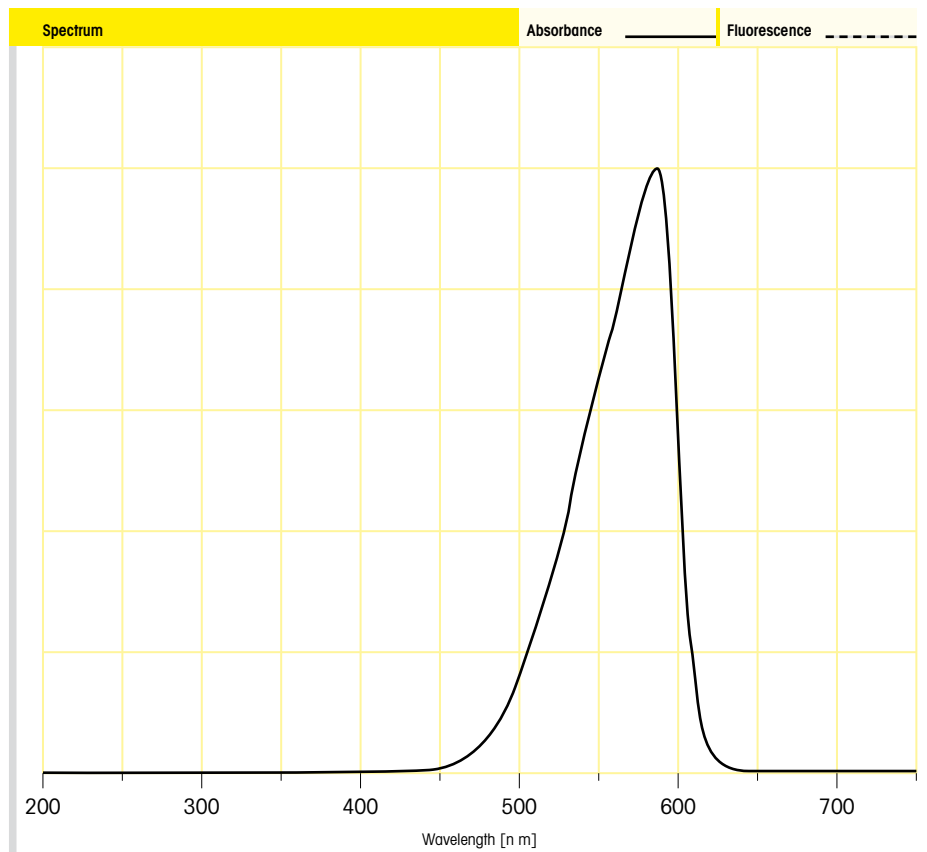
Molecular Formula C₃₃H₃₂BrN₂.ClO₄

Molecular Structure

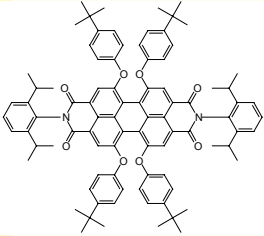



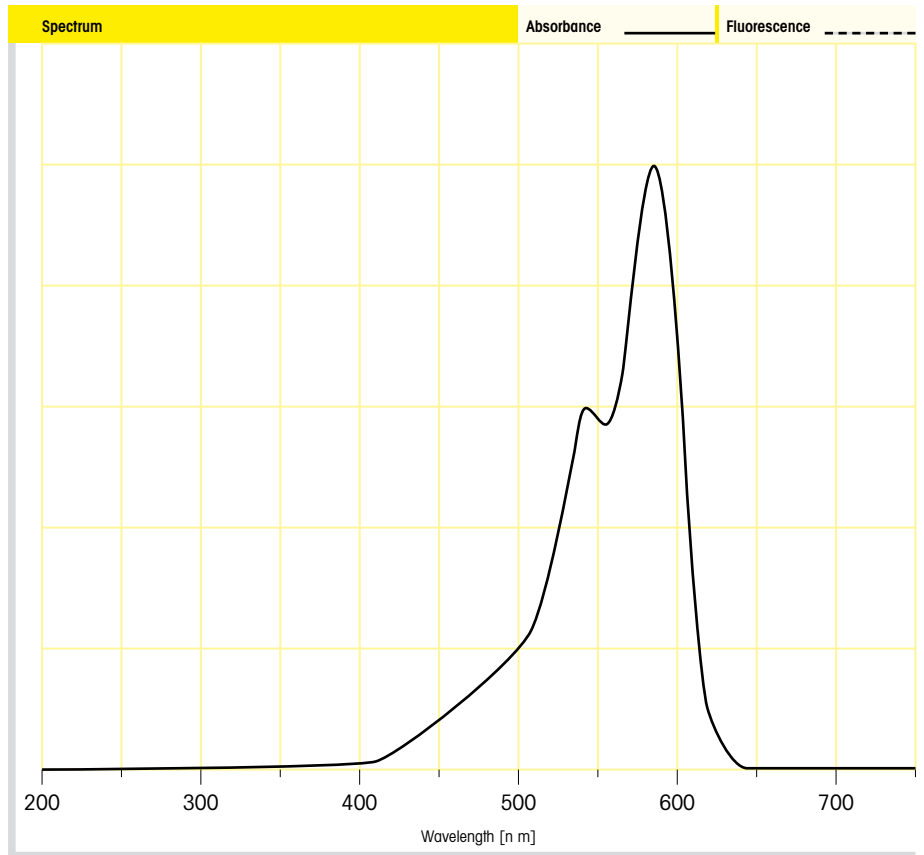
Absorption max. 585 nm

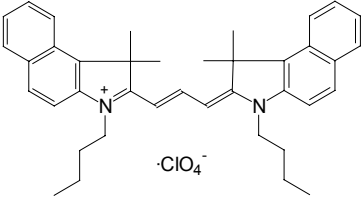

Application

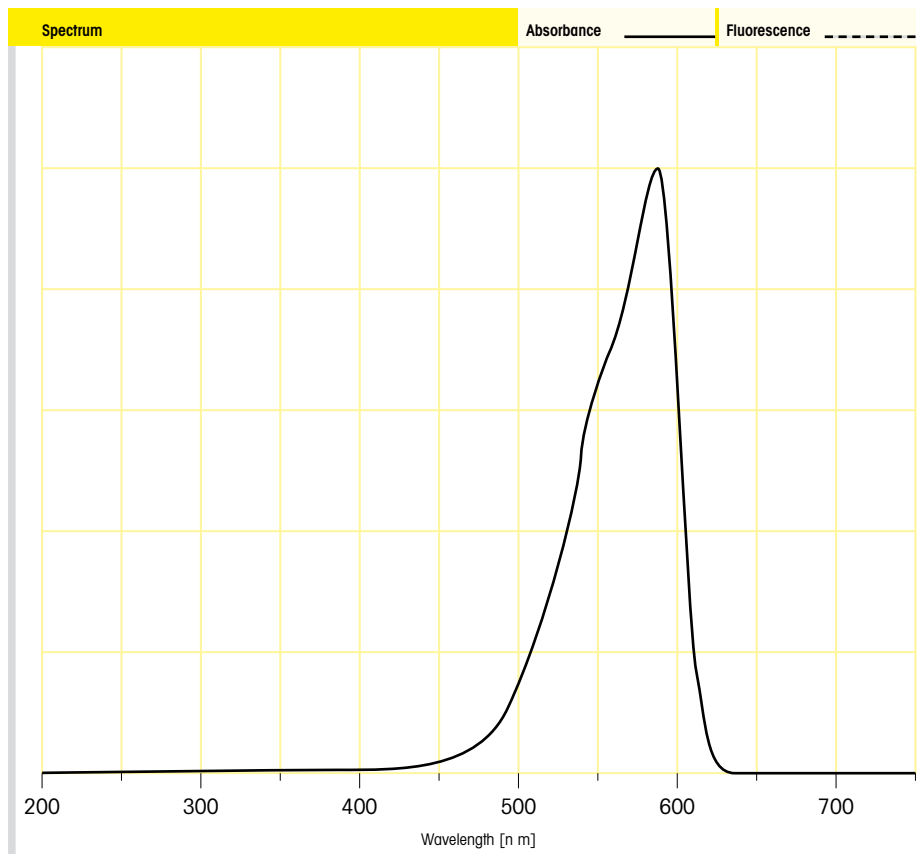


$\lambda_{\max} = 585 \text{ nm} \mid 588 \text{ nm}$

Code	57490
CAS No.	112078-08-7
Name	PTCDI (Energy Relay Dye)
Chemical Name	N,N'-Di-(2,6-diisopropylphenyl)-1,6,7,12-tetra-(4-tert.-butylphenoxy)-perylene-3,4,9,10-tetracarbonsäurediimid
Molecular Formula	C88H90N2O8
Molecular Structure	
Absorption max.	585 nm
Application	



Code	06870
CAS No.	189189-12-6
Chemical Name	4,5:4',5'-Dibenzo-1,1'-dibutyl-3,3,3',3'-tetramethylindacarbocyanine perchlorate
Molecular Formula	C39H45N2.ClO4
Molecular Structure	
Absorption max.	588 nm
Application	



Code 11710

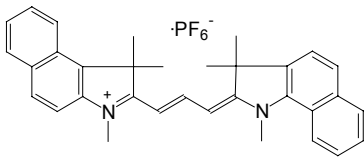
CAS No.

Chemical Name

4,5:6',7'-Dibenzo-
1,1',3,3',3'-hexamethylindacarbocyanine
hexafluorophosphate

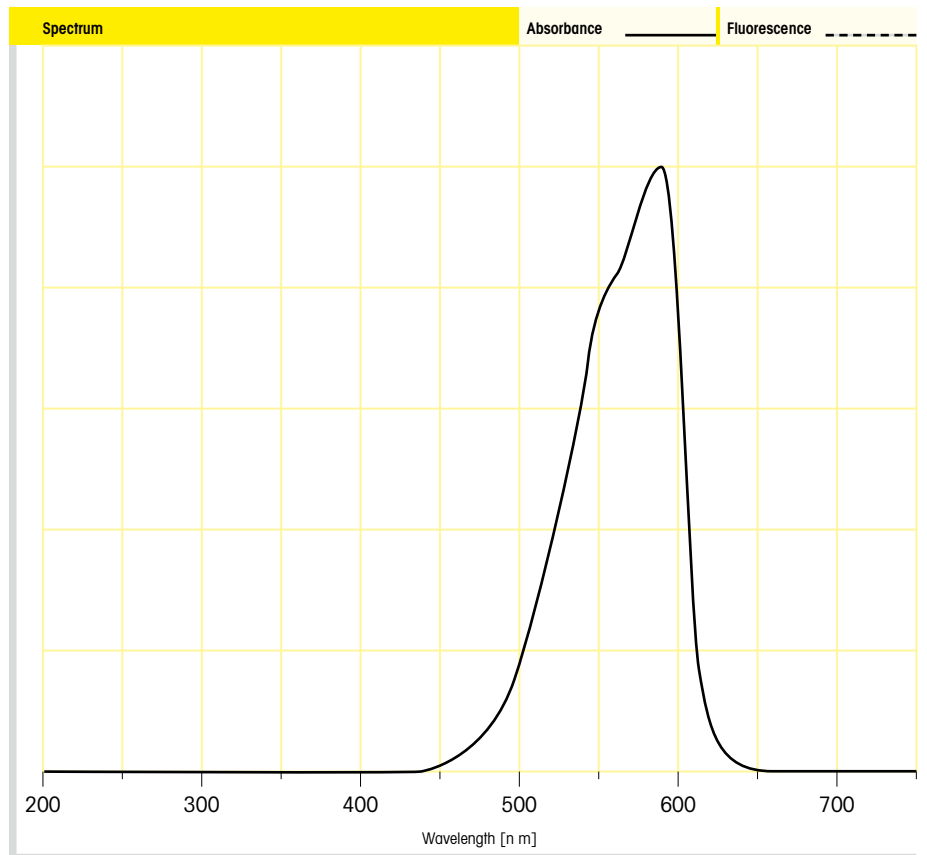
Molecular Formula C₃₃H₃₃N₂.PF₆

Molecular Structure



Absorption max. 592 nm

Application



Code 00790

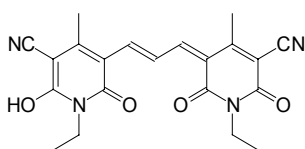
CAS No. 28172-08-9

Chemical Name

5,5'-Bis(3-cyano-1-ethyl-4-methyl-6-oxo-
2-pyridone)trimethine oxonole

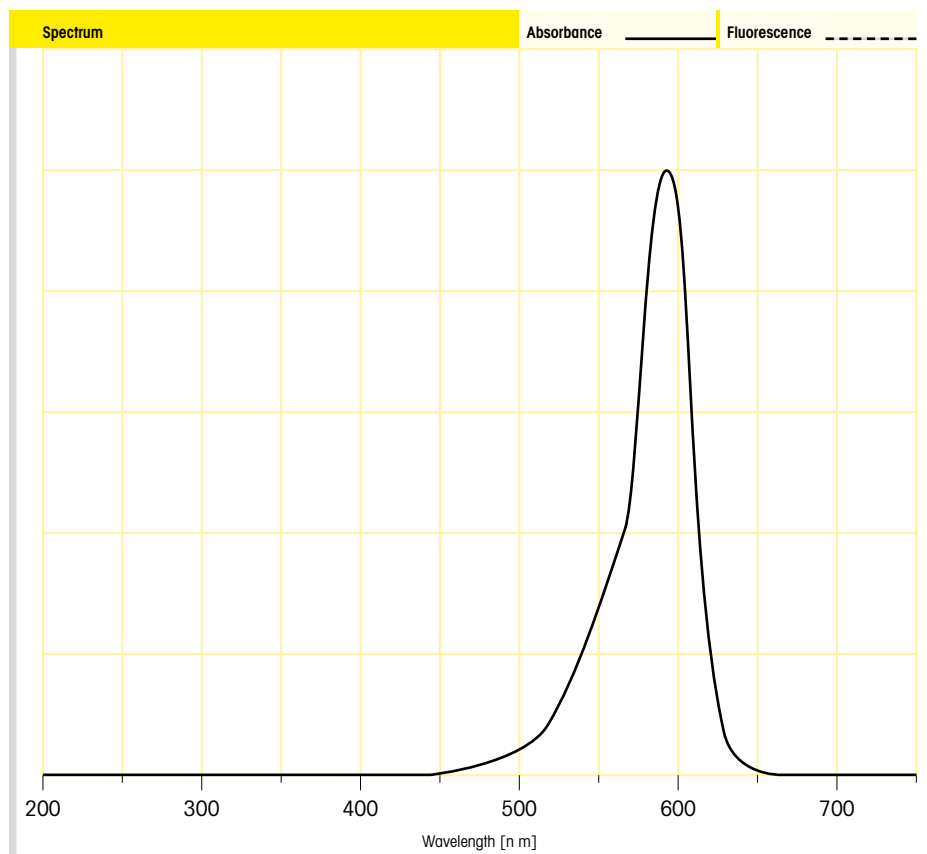
Molecular Formula C₂₁H₂₀N₄O₄

Molecular Structure



Absorption max. 595 nm

Application



$\lambda_{\max} = 615 \text{ nm} \mid 616 \text{ nm}$

Code 12350

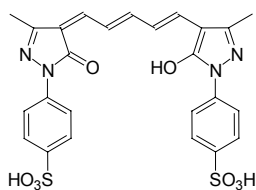
CAS No. 27969-56-8

Chemical Name

1,1'-Bis(4-sulfophenyl)-5,5'-dihydroxy-3,3'-dimethylpyrazolo-4,4'-pentamethineoxonole

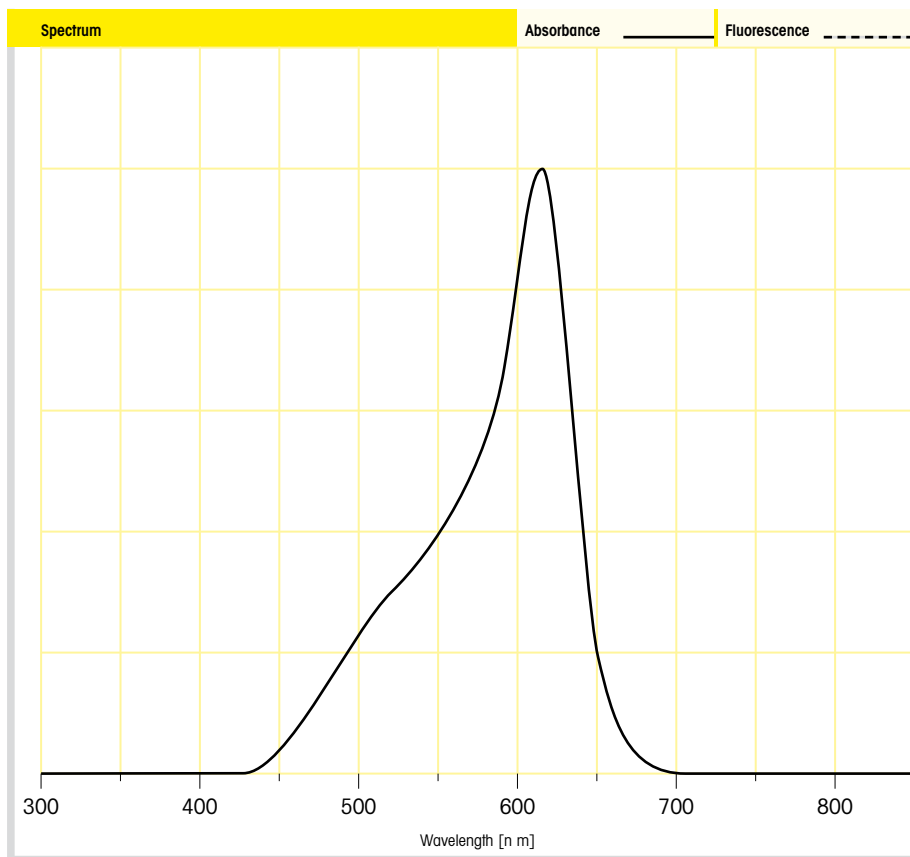
Molecular Formula C₂₅H₂₂N₄O₈S₂

Molecular Structure



Absorption max. 615 nm

Application



Code 03940

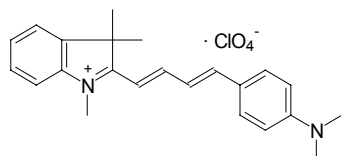
CAS No. 76433-27-7

Chemical Name

2-[4-(4-Dimethylaminophenyl)-1,3-butadienyl]-1,3,3-trimethylindolium perchlorate (Styryl 6)

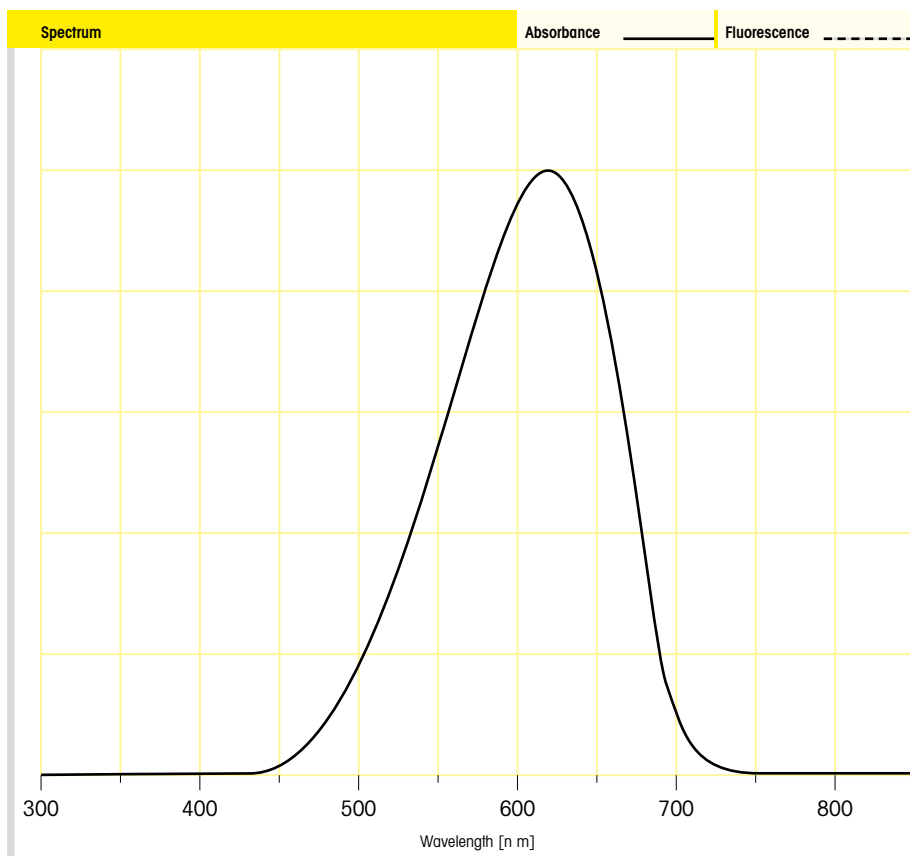
Molecular Formula C₂₃H₂₇N₂.ClO₄

Molecular Structure



Absorption max. 616 nm

Application



Code 49810

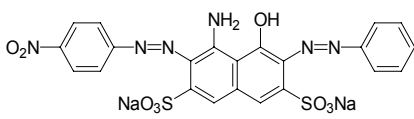
CAS No. 1064-48-8

Chemical Name

8-Amino-7-(4-nitrophenyl)azo-2-phenylazo-1-naphthol-3,6-disulfonic acid disodium salt (Acid Black 1 C.I. 20470)

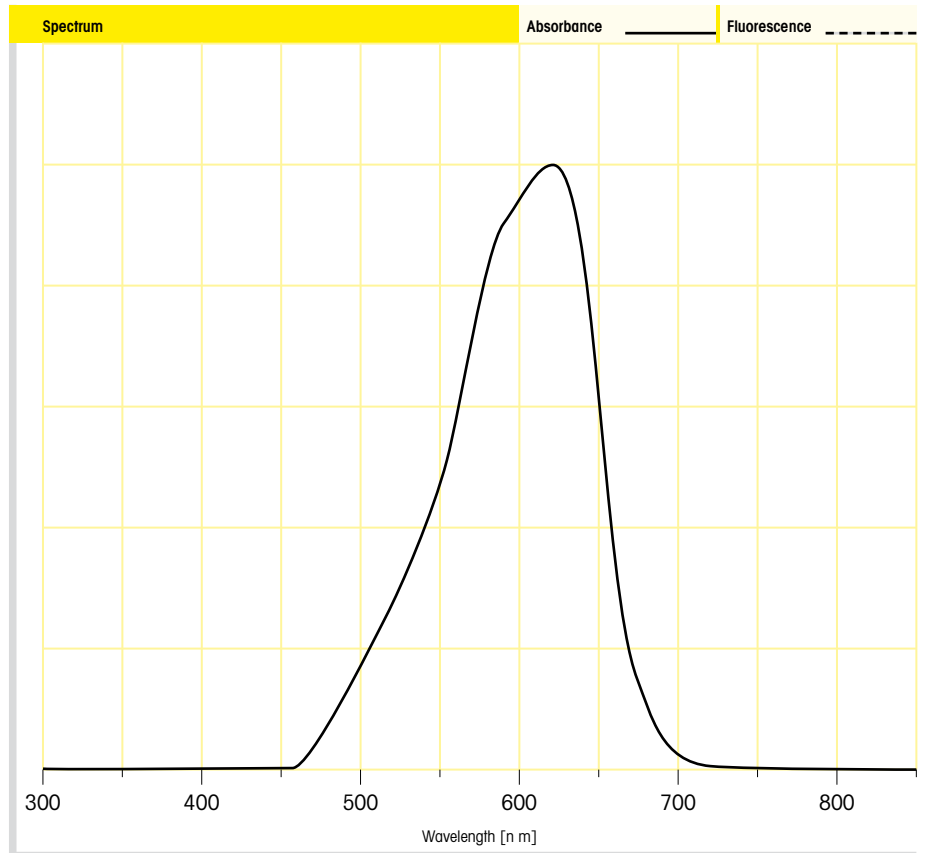
Molecular Formula $C_{22}H_{16}N_6O_9S_2 \cdot 2Na$

Molecular Structure



Absorption max. 619 nm

Application



Code 07770

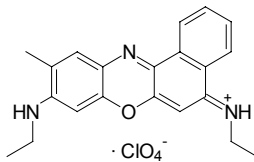
CAS No. 62669-60-7

Chemical Name

3,7-Bis(ethylamino)-8-methylbenzo[a]phenoxazininium perchlorate (Oxazine 170)

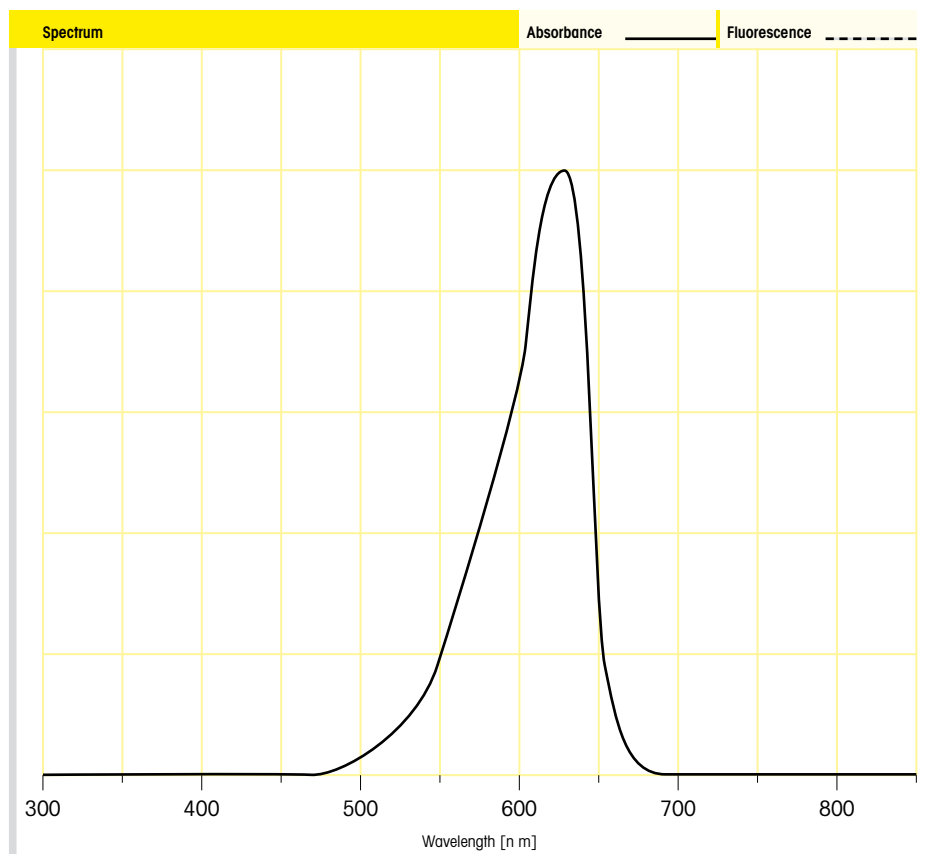
Molecular Formula $C_{21}H_{22}N_3O \cdot ClO_4$

Molecular Structure



Absorption max. 626 nm

Application



$\lambda_{\max} = 626 \text{ nm} \mid 630 \text{ nm}$

Code 13460

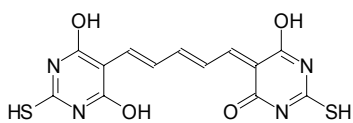
CAS No. 63811-40-5

Chemical Name

2,2'-Dimercapto-
4,4',6,6'-tetrahydroxypyrimidino-
5,5'-pentamethineoxonole

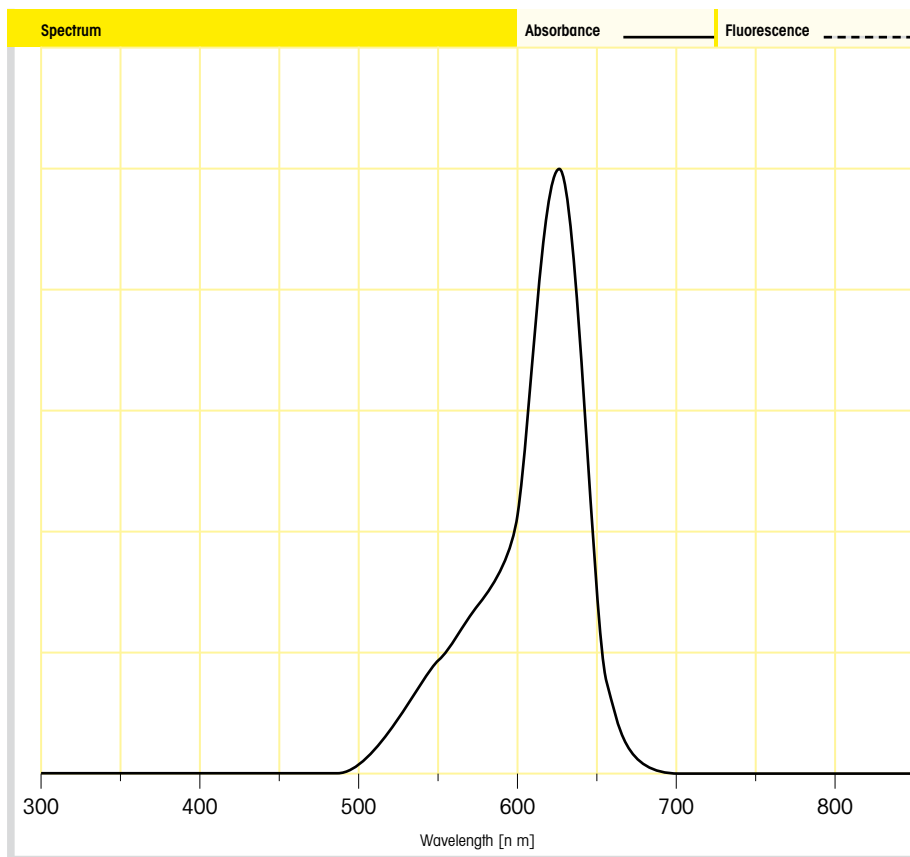
Molecular Formula C₁₃H₁₀N₄O₄S₂

Molecular Structure



Absorption max. 626 nm

Application



Code 33350

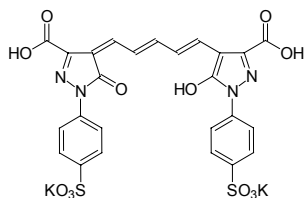
CAS No. 51858-17-4

Chemical Name

1,1'-Bis(4-sulfophenyl)-3,3'-dicarboxy-
5,5'-dihydropyrazolo-
4,4'-pentamethineoxonole dipotassium salt

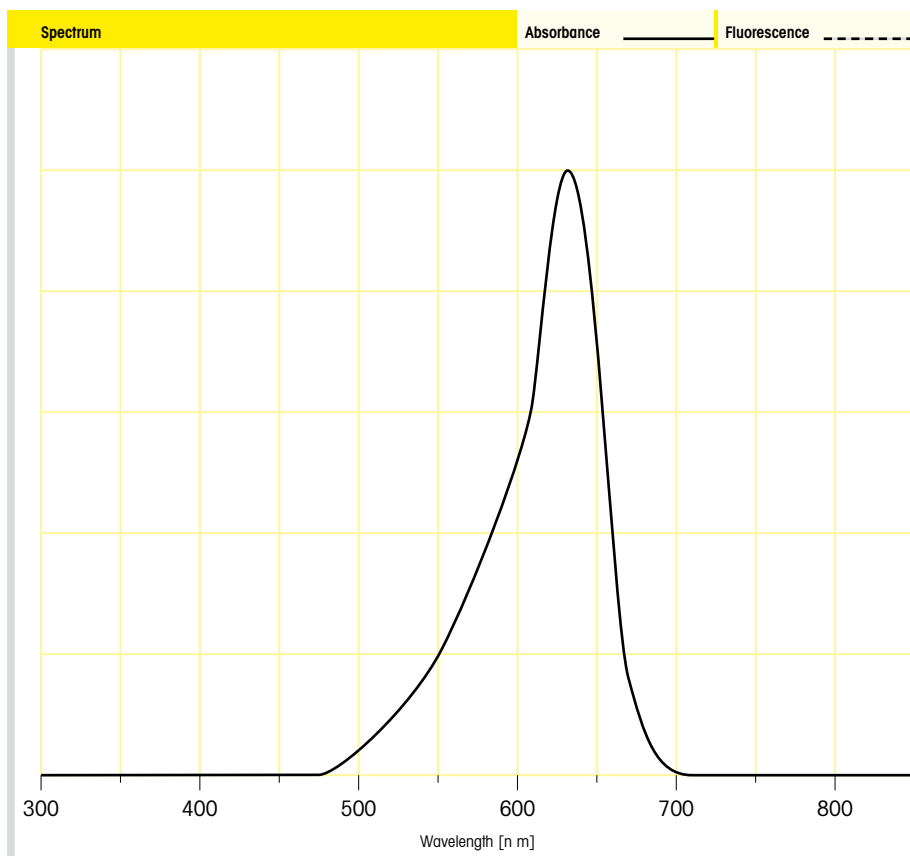
Molecular Formula C₂₅H₁₆K₂N₄O₁₂S₂

Molecular Structure



Absorption max. 630 nm

Application



Code 12450

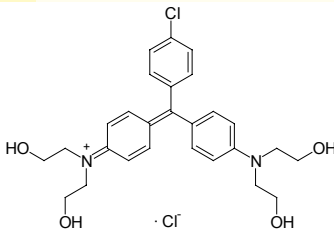
CAS No. 143218-70-6

Chemical Name

4,4'-Bis[bis(2-hydroxyethyl)amino]-
4"-chlorotriylum chloride

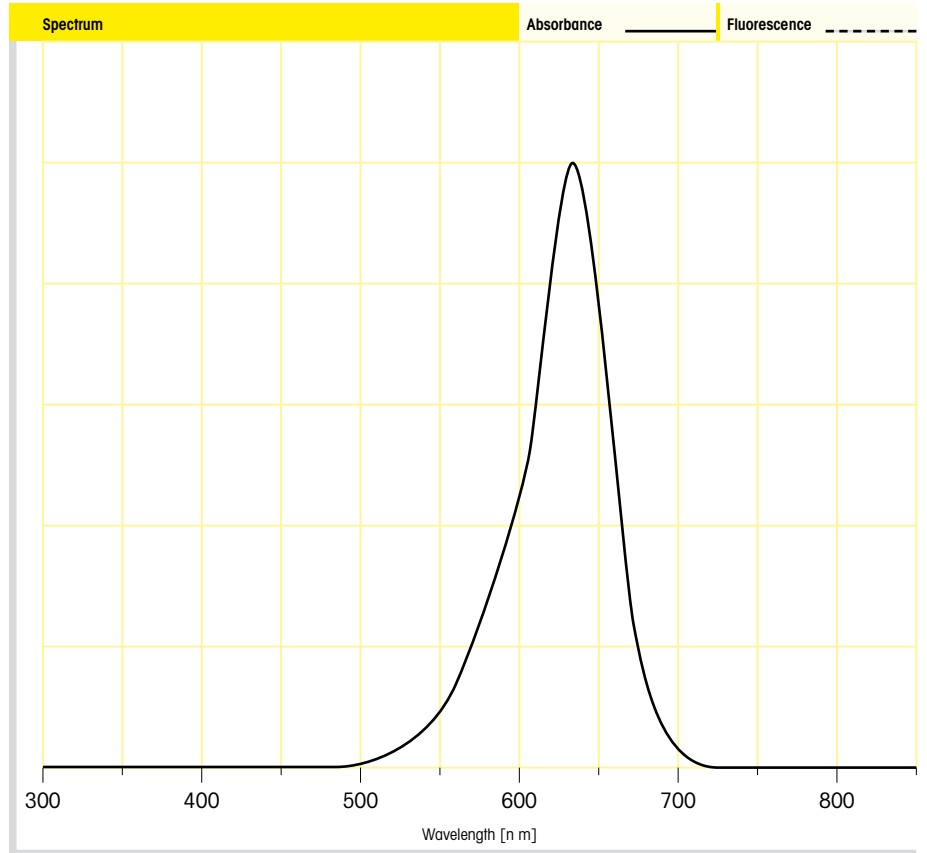
Molecular Formula C₂₇H₃₂ClN₂O₄·Cl

Molecular Structure



Absorption max. 632 nm

Application



Code 07420

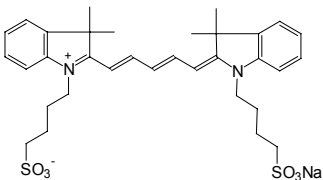
CAS No.

Chemical Name

1,1'-Bis(4-sulfobutyl)-
3,3,3',3'-tetramethylindadicarbocyanine
betaine sodium salt

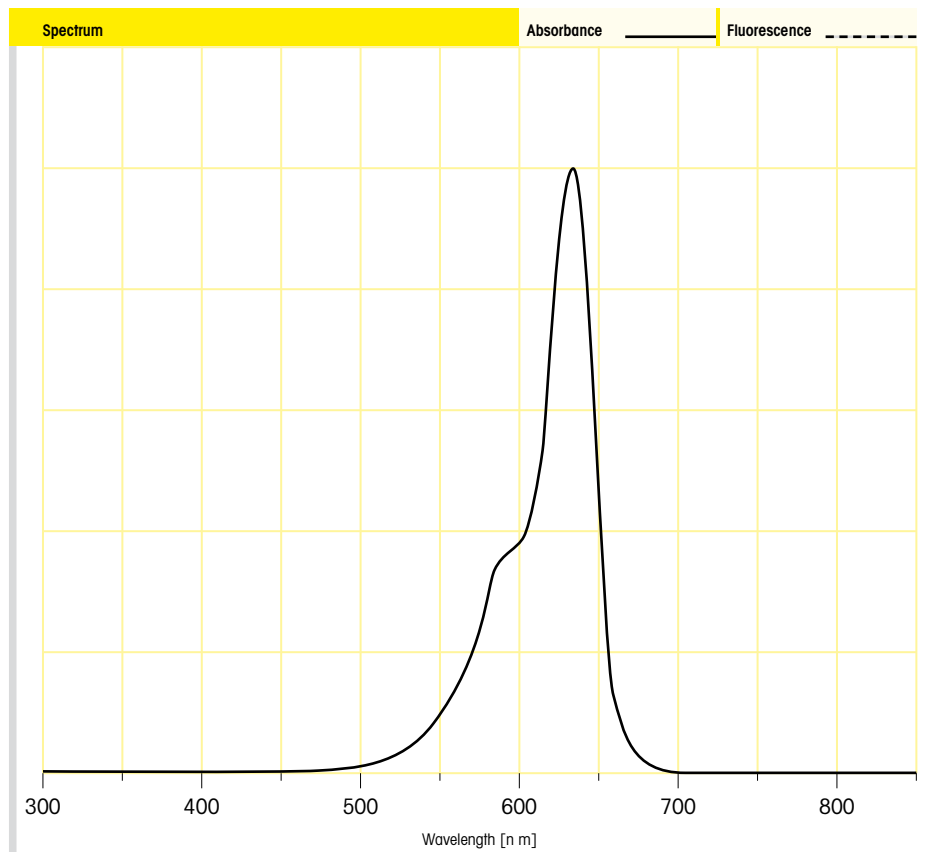
Molecular Formula C₃₃H₄₂N₂O₆S₂·Na

Molecular Structure



Absorption max. 641 nm

Application



$\lambda_{\max} = 642 \text{ nm} \mid 643 \text{ nm}$

Code 06830

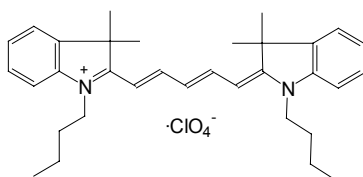
CAS No. 131443-20-4

Chemical Name


1,1'-Dibutyl-
3,3,3',3'-tetramethylindadicarbocyanine
perchlorate

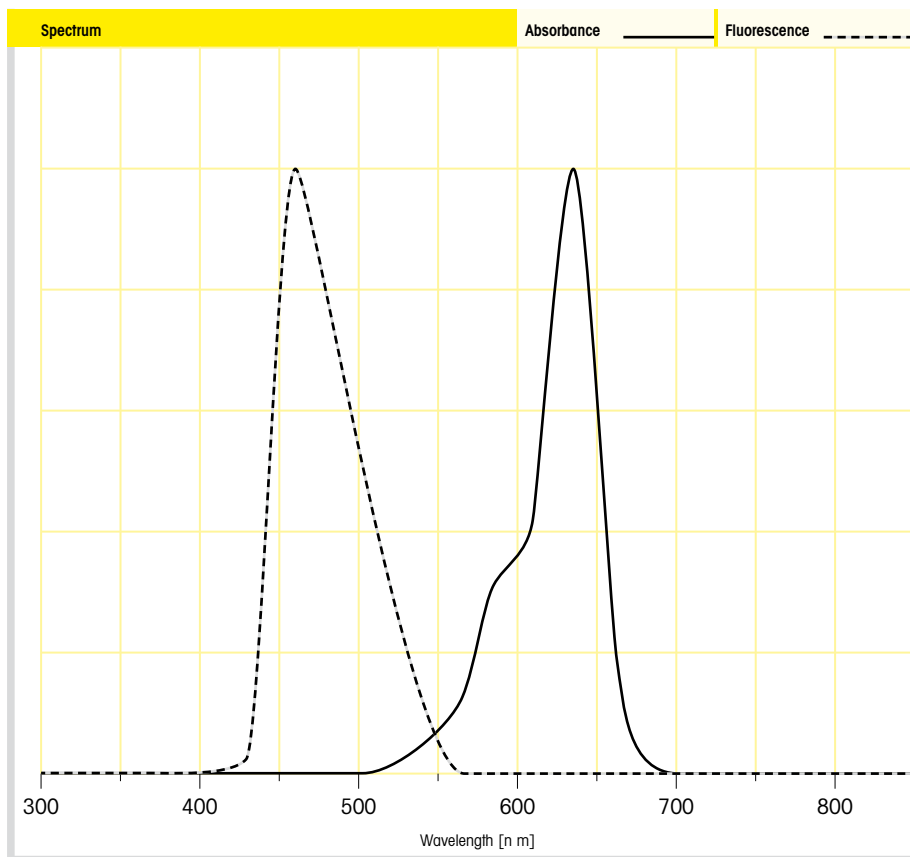
Molecular Formula C33H43N2.ClO4

Molecular Structure



Absorption max. 642 nm

Application 



Code 07830

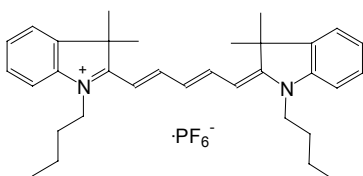
CAS No.

Chemical Name


1,1'-Dibutyl-
3,3,3',3'-tetramethylindadicarbocyanine
hexafluorophosphate

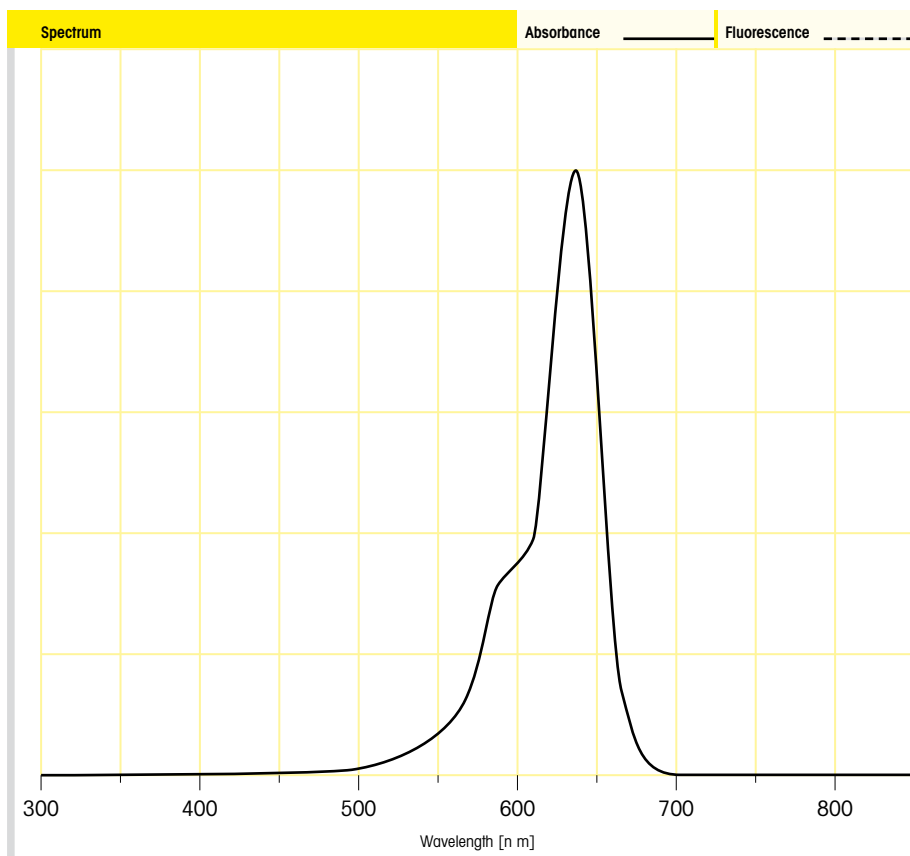
Molecular Formula C33H43N2.PF6

Molecular Structure



Absorption max. 643 nm

Application 



Code 17710

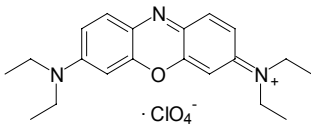
CAS No. 24796-94-9

Chemical Name


3,7-Bis(diethylamino)phenoxazinium perchlorate (Oxazine 1)

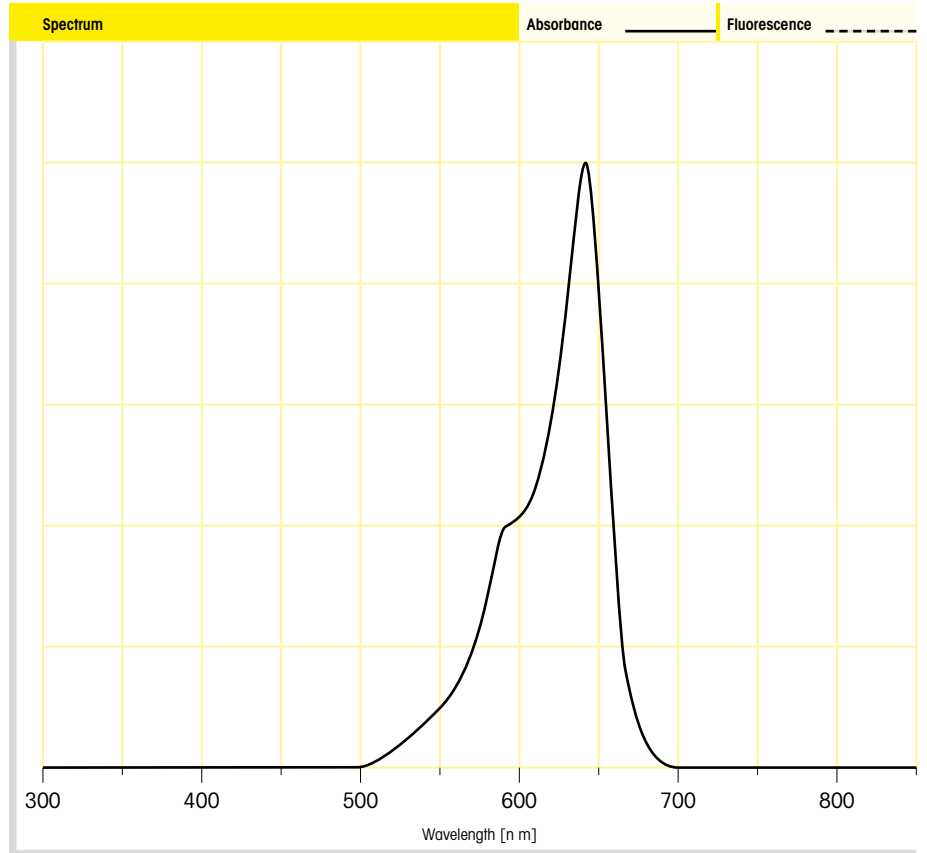
Molecular Formula C20H26N3O.ClO4

Molecular Structure



Absorption max. 645 nm

Application 



Code 12700

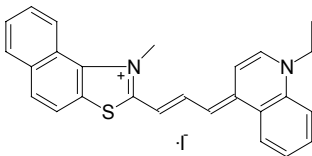
CAS No. 143269-53-8

Chemical Name

4,5-Benzo-1'-ethyl-3-methylquinacarbocyanine iodide

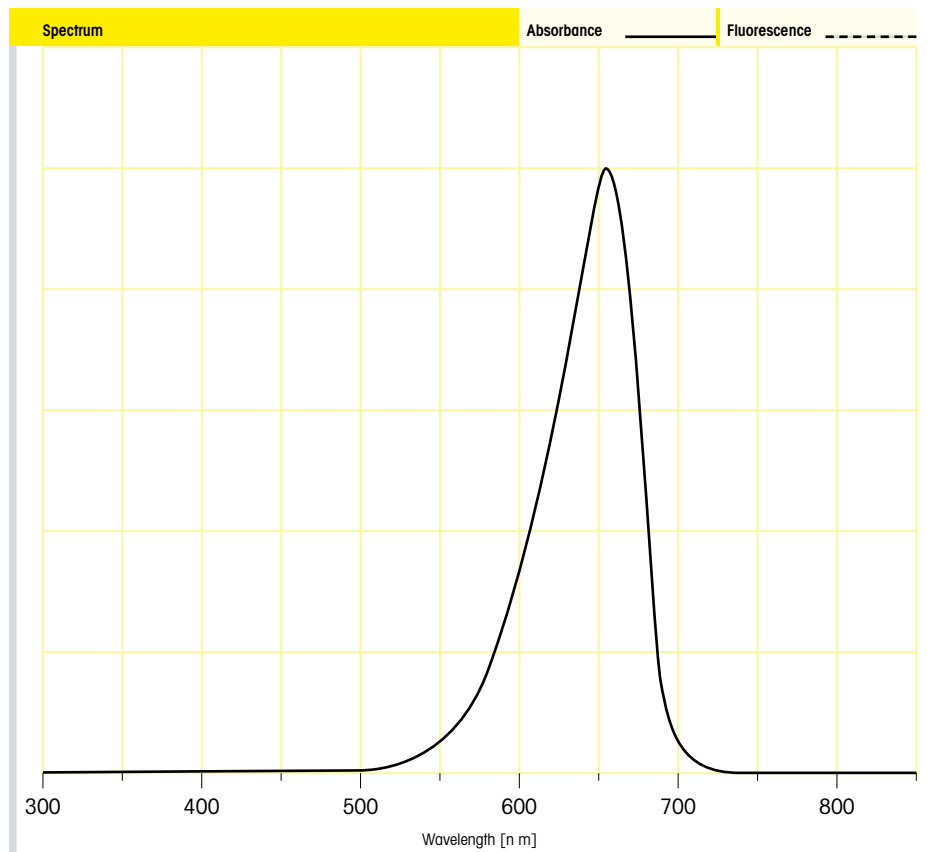
Molecular Formula C26H23N2S.I

Molecular Structure



Absorption max. 652 nm

Application 



$\lambda_{\max} = 653 \text{ nm} \mid 660 \text{ nm}$

Code 12920

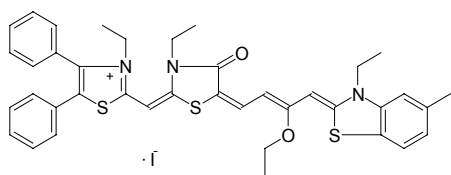
CAS No. 105176-22-5

Chemical Name

4,5-Diphenyl-2-[5-[3-ethoxy-4-(3-ethyl-5-methyl-2-benzothiazolinyldene)-2-butenylidene]-3-ethyl-4-oxo-2-thiazolidinyldene]methyl-3-ethylthiazolium iodide

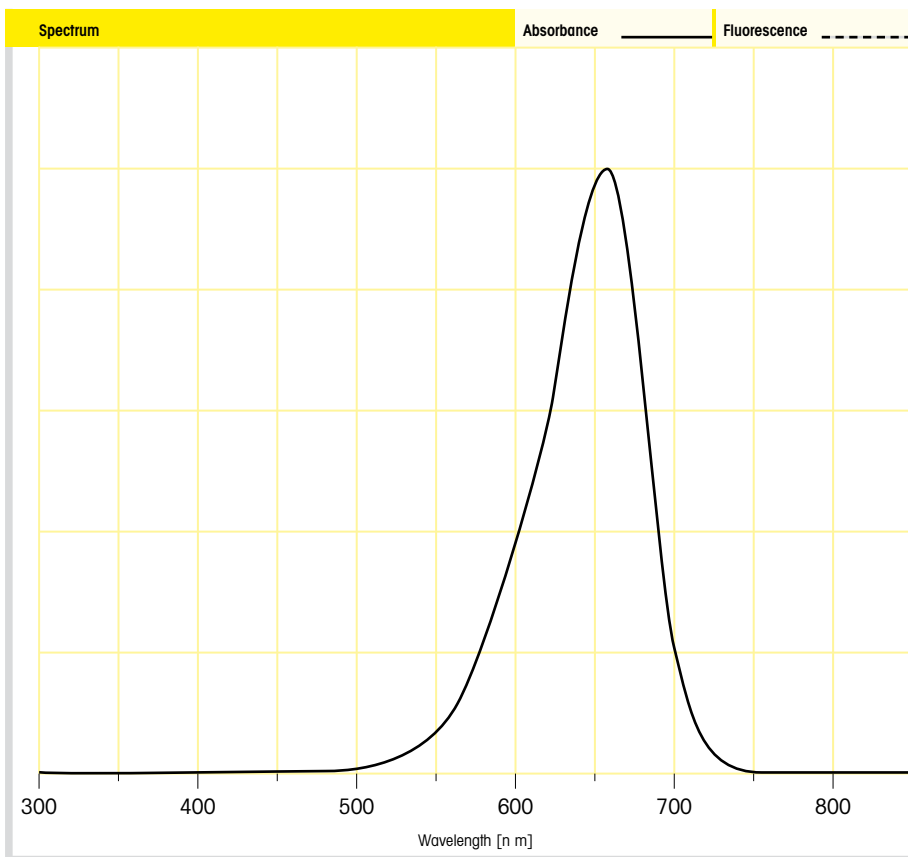
Molecular Formula C₃₉H₄₀N₃O₂S₃.I

Molecular Structure



Absorption max. 653 nm

Application 



Code 34040

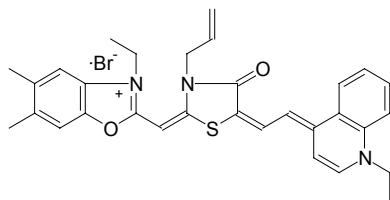
CAS No. 93857-83-1

Chemical Name

2-[3-Allyl-5-[2-(1-ethyl-4(1H)-quinolinyldene)ethylidene]-4-oxo-2-thiazolidinyldene]methyl-5,6-dimethyl-3-ethylbenzoxazolium bromide

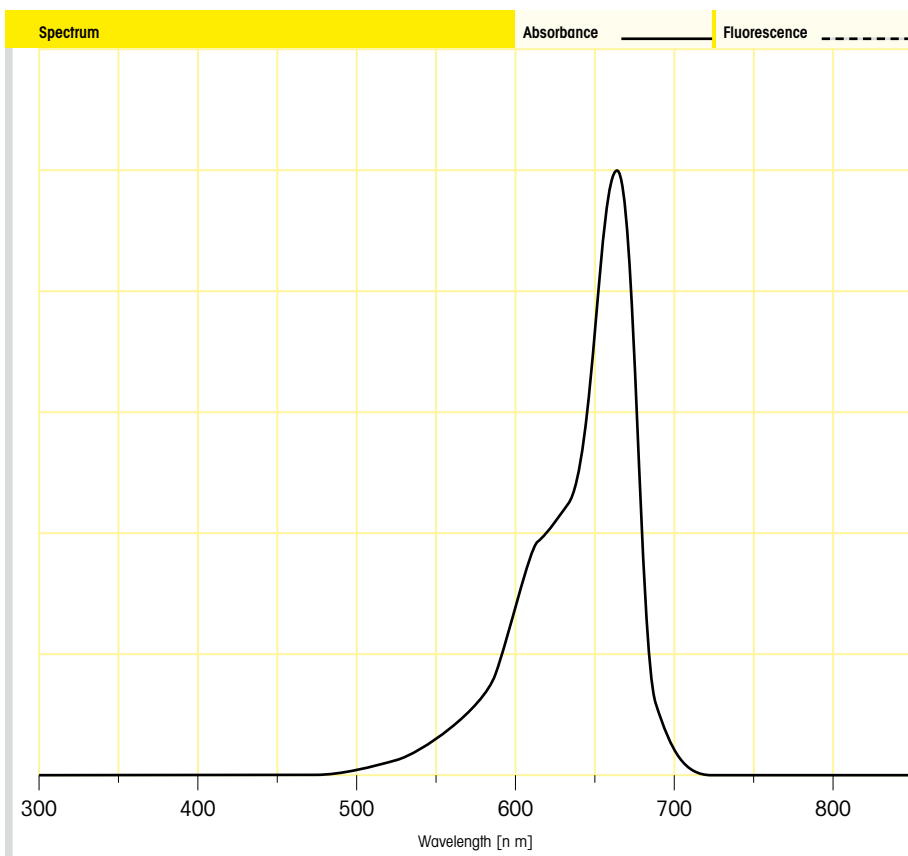
Molecular Formula C₃₁H₃₂N₃O₂S.Br

Molecular Structure



Absorption max. 660 nm

Application 



Code 12780

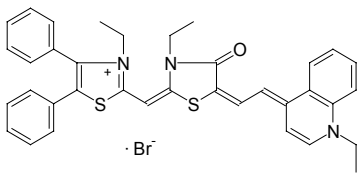
CAS No. 51257-37-5

Chemical Name

4,5-Diphenyl-3-ethyl-2-[3-ethyl-5-[2-(1-ethyl-4-quinolinylidene)ethylidene]-4-oxo-2-thiazolidinylidene]methylthiazolium bromide

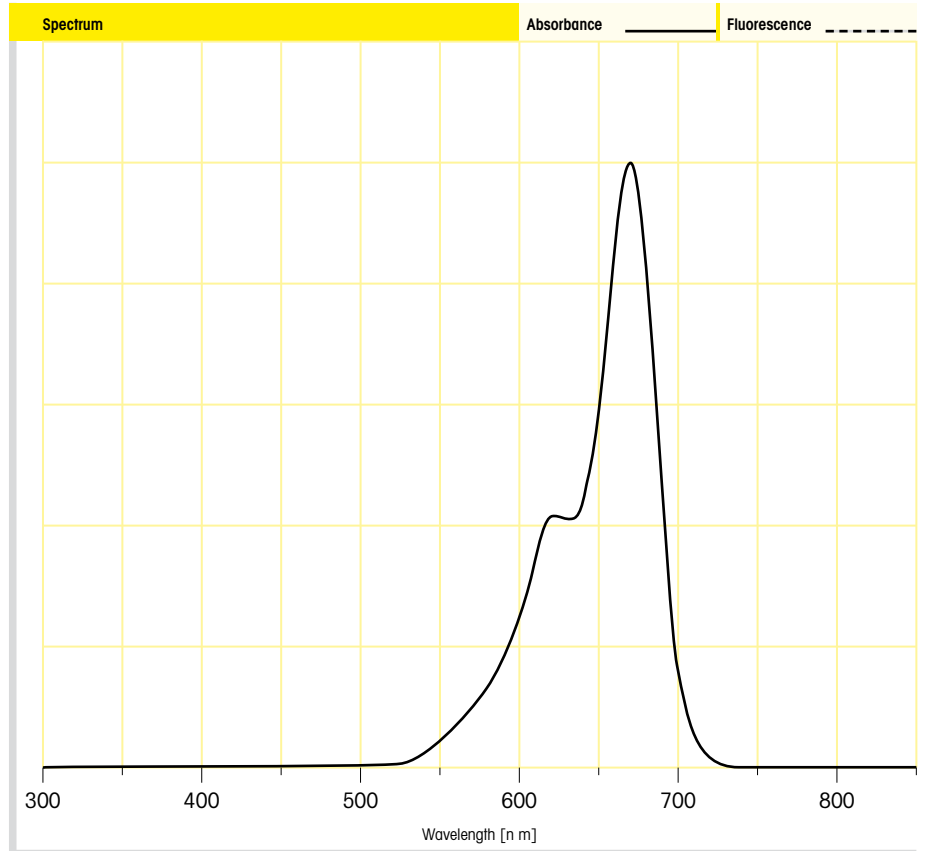
Molecular Formula C₃₆H₃₄N₃O₂·Br

Molecular Structure



Absorption max. 670 nm

Application



Code 03910

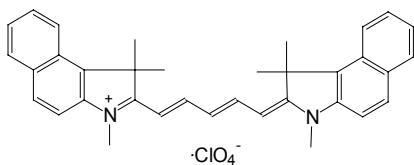
CAS No. 54389-98-9

Chemical Name

4,5:4',5'-Dibenzo-1,1',3,3,3',3'-hexamethylindadicarbocyanine perchlorate

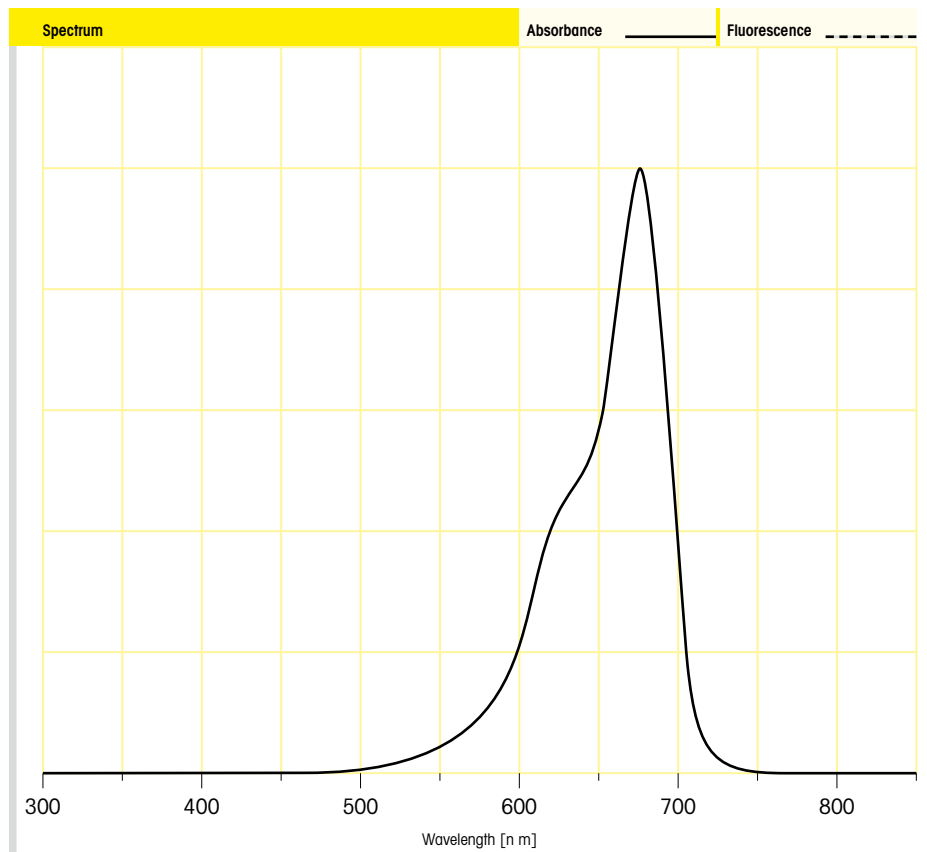
Molecular Formula C₃₅H₃₅N₂·ClO₄

Molecular Structure



Absorption max. 675 nm

Application



$\lambda_{\max} = 680 \text{ nm} \mid 680 \text{ nm}$

Code 03930

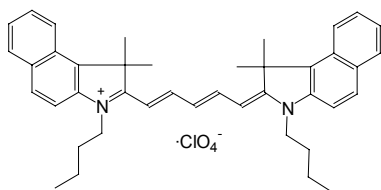
CAS No. 121482-73-3

Chemical Name

4,5:4',5'-Dibenzo-1,1'-dibutyl-3,3,3',3'-tetramethylindadicarbocyanine perchlorate

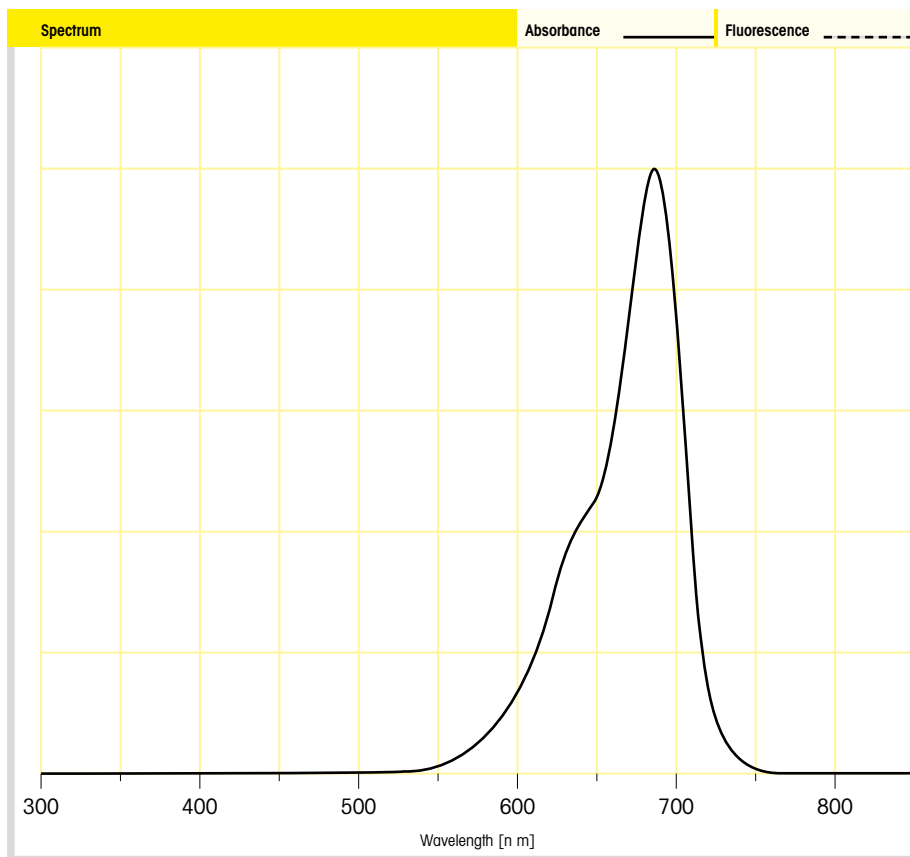
Molecular Formula C₄₁H₄₇N₂.ClO₄

Molecular Structure



Absorption max. 680 nm

Application



Code 06660

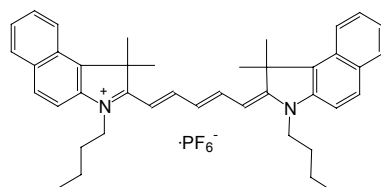
CAS No. 137147-59-2

Chemical Name

4,5:4',5'-Dibenzo-1,1'-dibutyl-3,3,3',3'-tetramethylindadicarbocyanine hexafluorophosphate

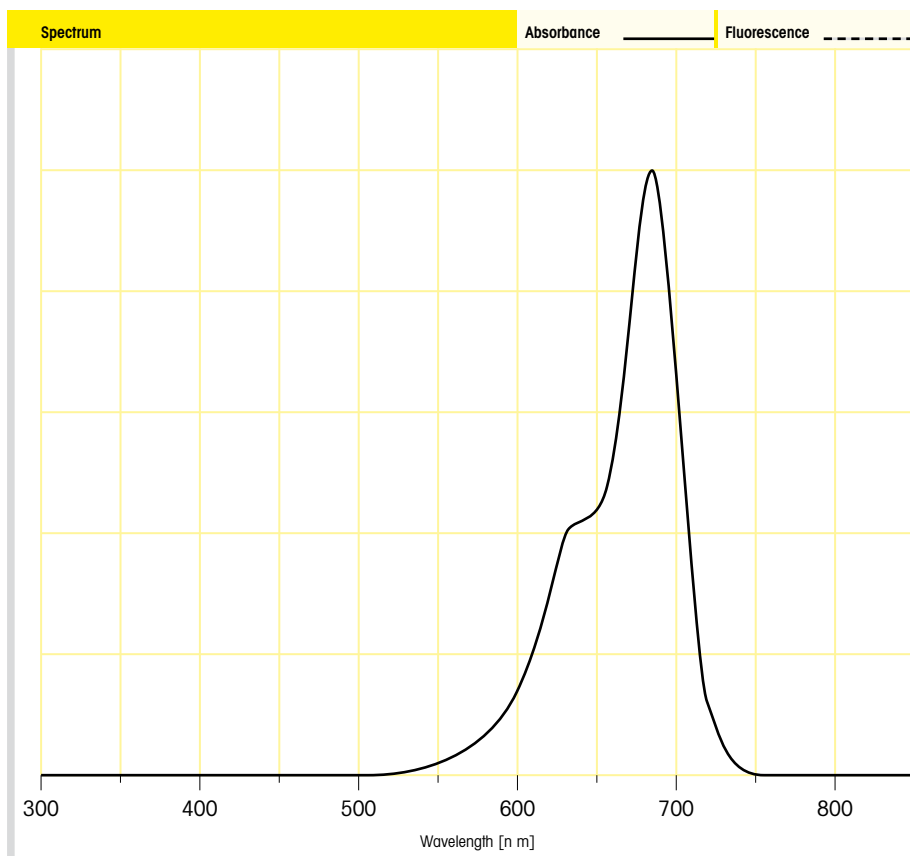
Molecular Formula C₄₁H₄₇N₂.PF₆

Molecular Structure



Absorption max. 680 nm

Application



Code 12500

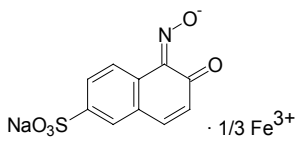
CAS No. 19381-50-1

Chemical Name

1-Nitroso-2-naphthol-6-sulfonic acid sodium salt, iron(III) complex (Naphtholgreen B)

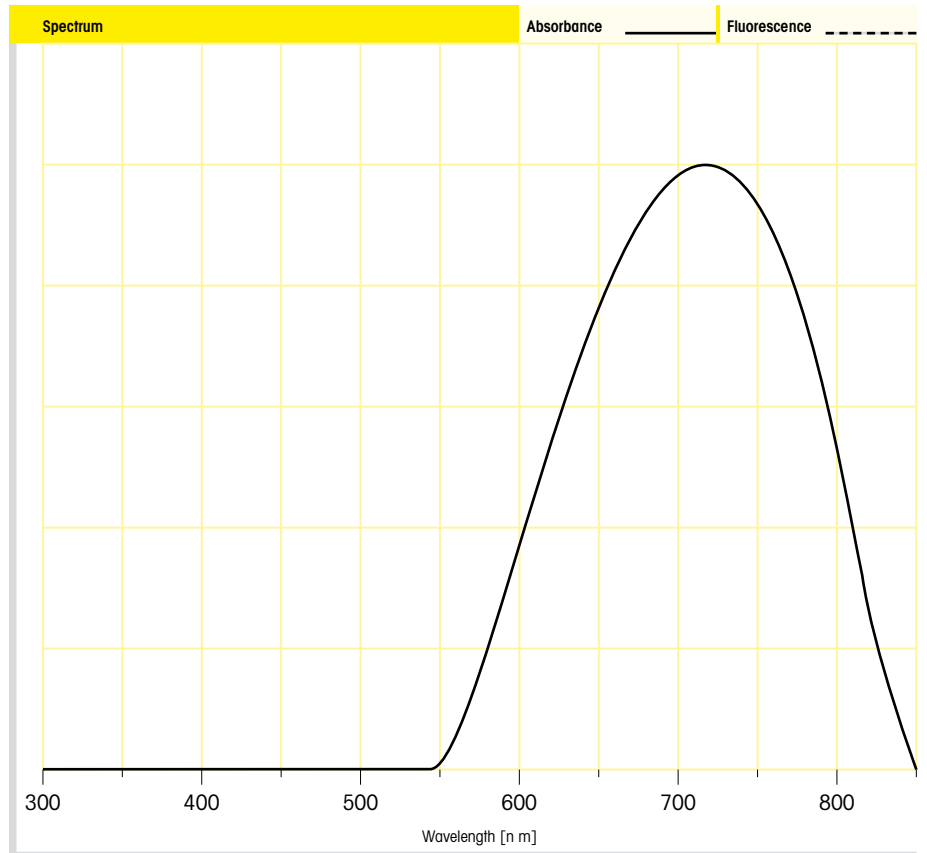
Molecular Formula $\text{C}_{30}\text{H}_{15}\text{FeN}_3\text{Na}_3\text{O}_{15}\text{S}_3$

Molecular Structure



Absorption max. 715 nm

Application 



Code 11040

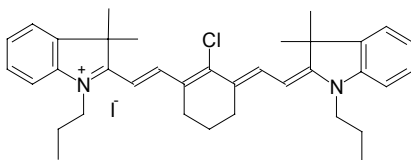
CAS No. 207399-07-3

Chemical Name


11-Chloro-1,1'-dipropyl-3,3,3',3'-tetramethyl-10,12-trimethyleneindatricarbocyanine iodide

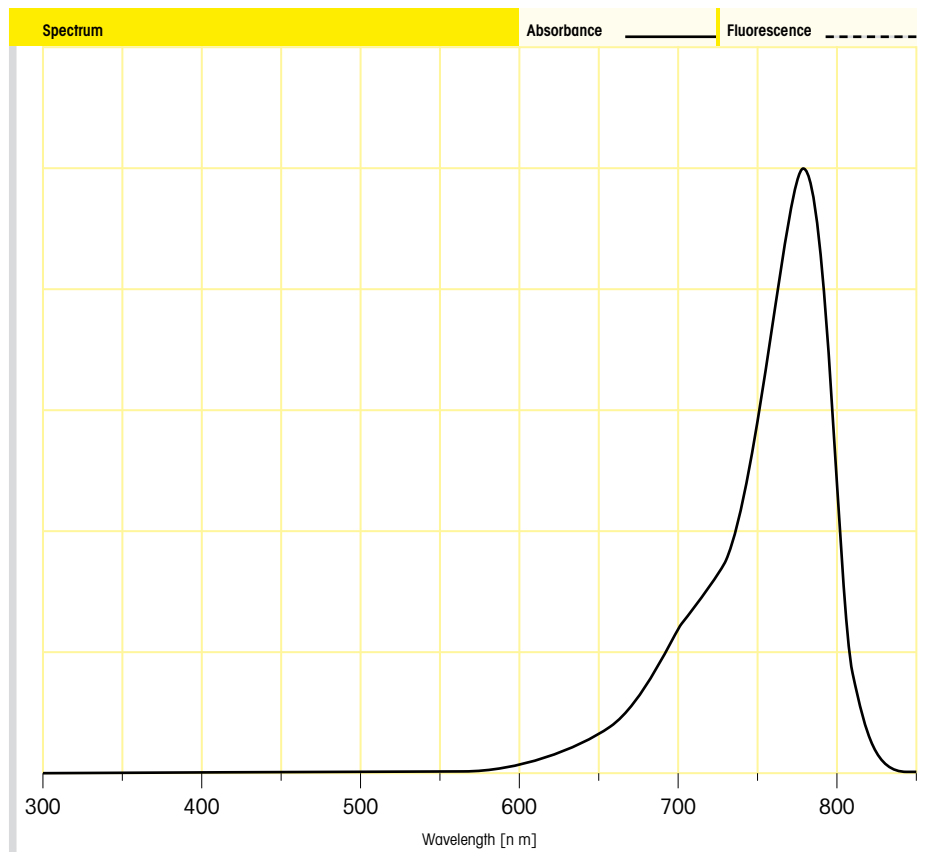
Molecular Formula $\text{C}_{36}\text{H}_{44}\text{ClN}_2\text{I}$

Molecular Structure



Absorption max. 780 nm

Application 



$\lambda_{\max} = 781 \text{ nm} \mid 784 \text{ nm}$

Code 07410

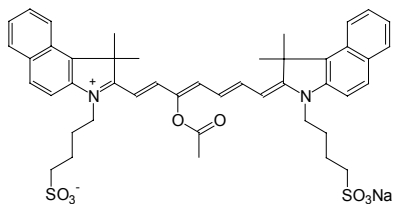
CAS No. 155795-24-7

Chemical Name

10-Acetoxy-1,1'-bis(4-sulfobutyl)-
4,5:4',5'-dibenzo-3,3',3'-tetramethyl-
indatricarbocyanine betaine sodium salt

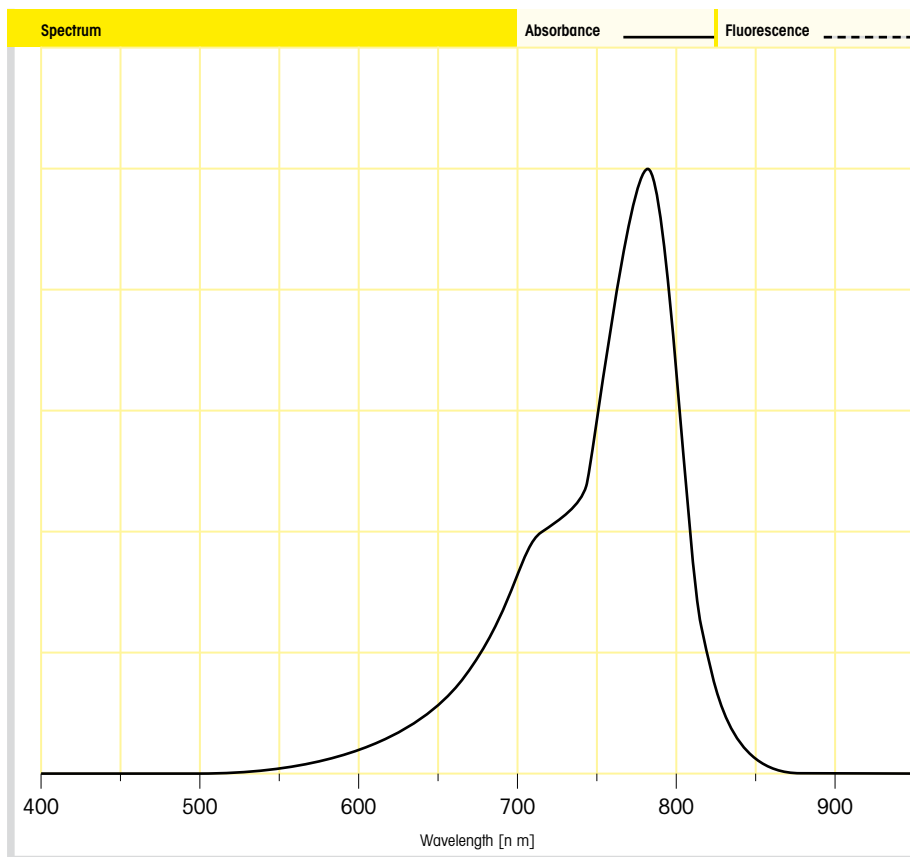
Molecular Formula $C_{45}H_{50}N_2O_8S_2, Na$

Molecular Structure



Absorption max. 781 nm

Application



Code 11020

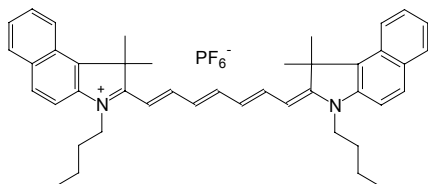
CAS No. 663161-10-2

Chemical Name

4,5:4',5'-Dibenzo-1,1'-dibutyl-
3,3,3',3'-tetramethylindatricarbocyanine
hexafluorophosphate

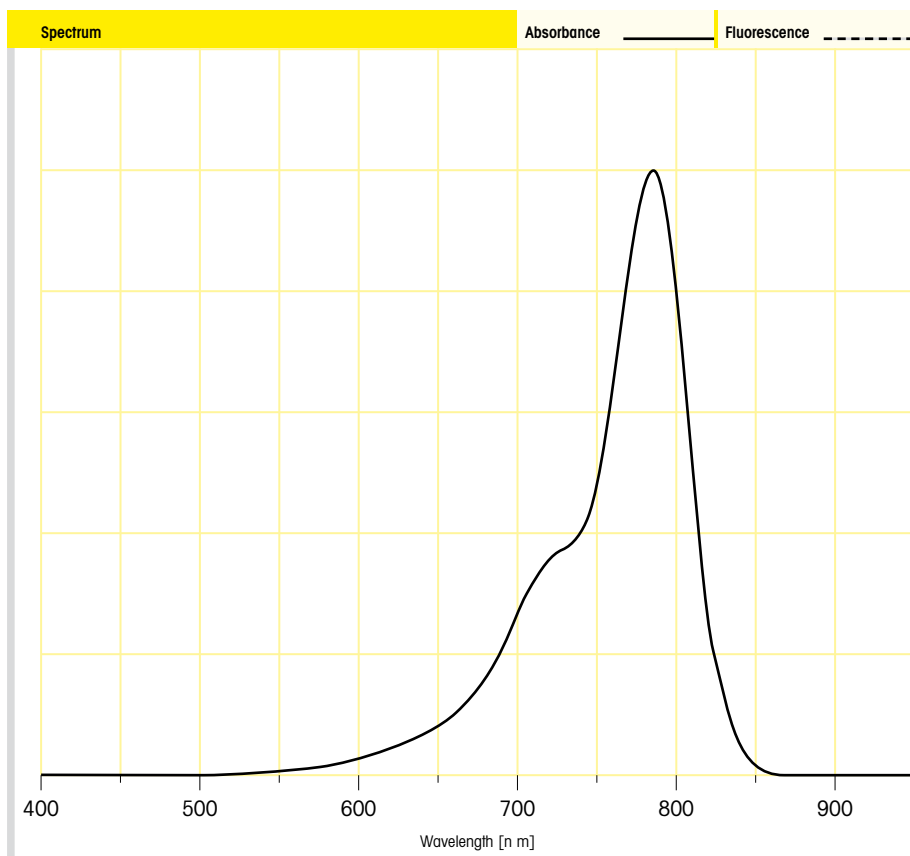
Molecular Formula $C_{43}H_{49}N_2.PF_6$

Molecular Structure



Absorption max. 784 nm

Application



Code 11800

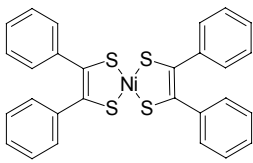
CAS No. 28984-20-5

Chemical Name

Bis(dithiobenzil)nickel

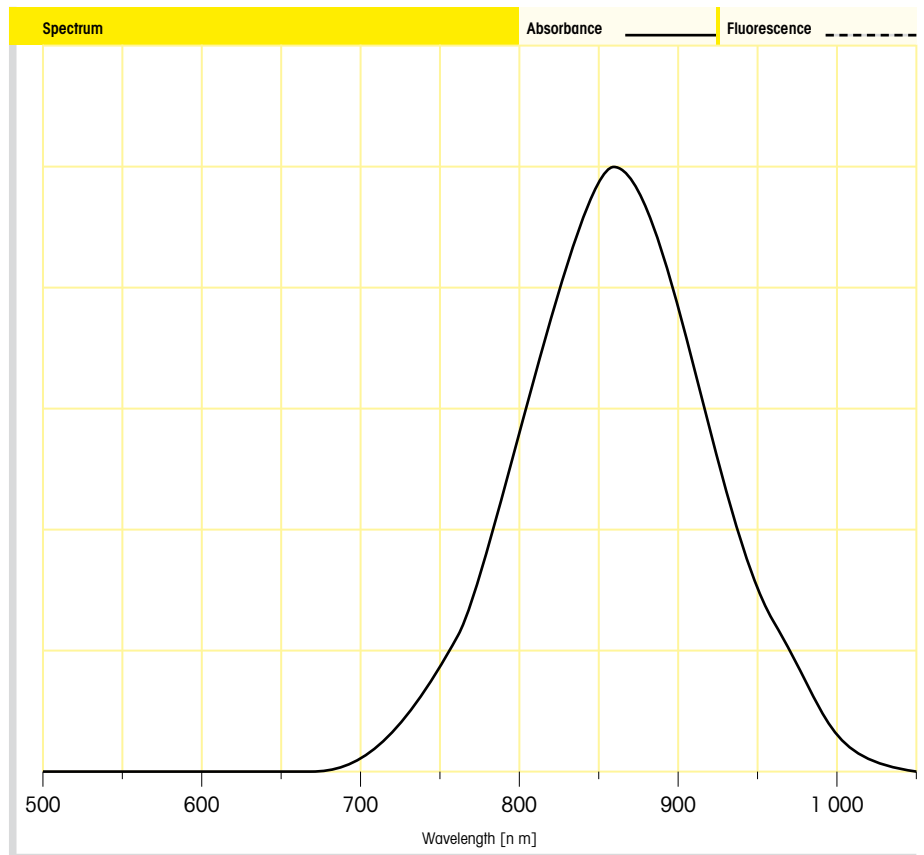
Molecular Formula C28H20NiS4

Molecular Structure



Absorption max. 855 nm

Application  



Code 39990

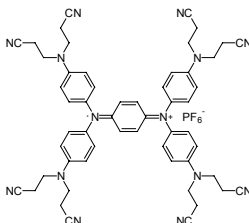
CAS No. 253267-38-8

Chemical Name


N,N,N',N'-Tetrakis[4-bis(3-cyanopropyl)aminophenyl]-p-phenylenediaminium hexafluorophosphate

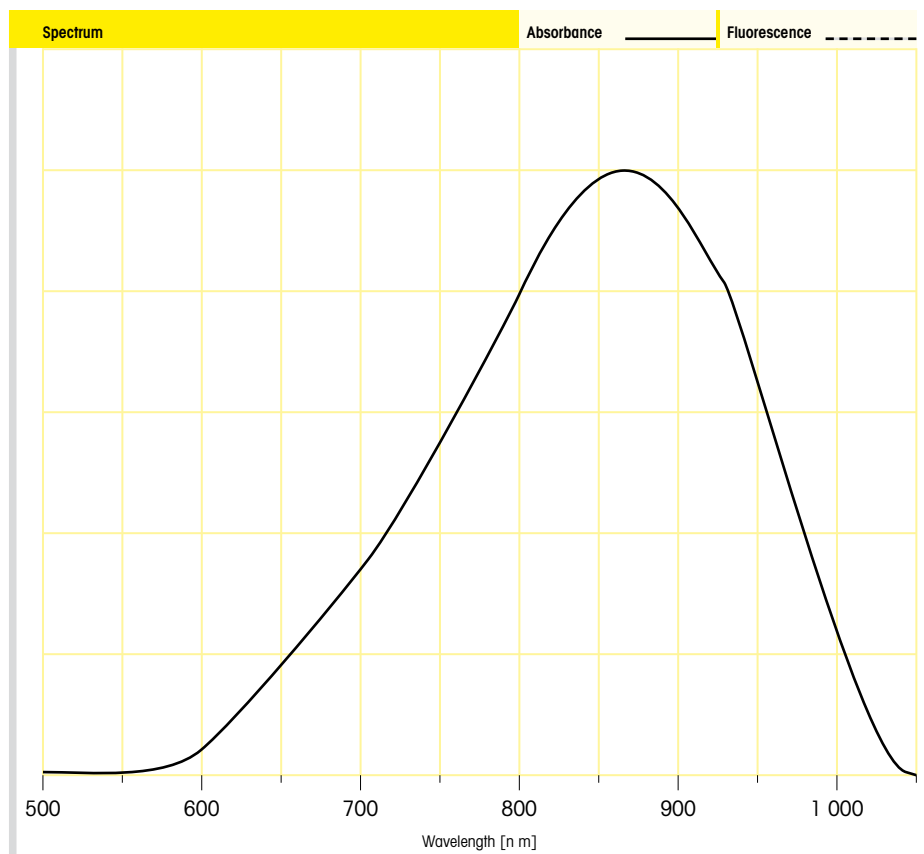
Molecular Formula C62H68N14.PF6

Molecular Structure



Absorption max. 863 nm

Application 



$\lambda_{\max} = 925 \text{ nm} \mid 955 \text{ nm}$

Code 11810

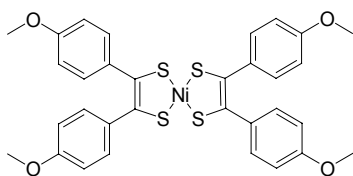
CAS No. 38951-97-2

Chemical Name

Bis(4,4'-dimethoxydithiobenzil)nickel

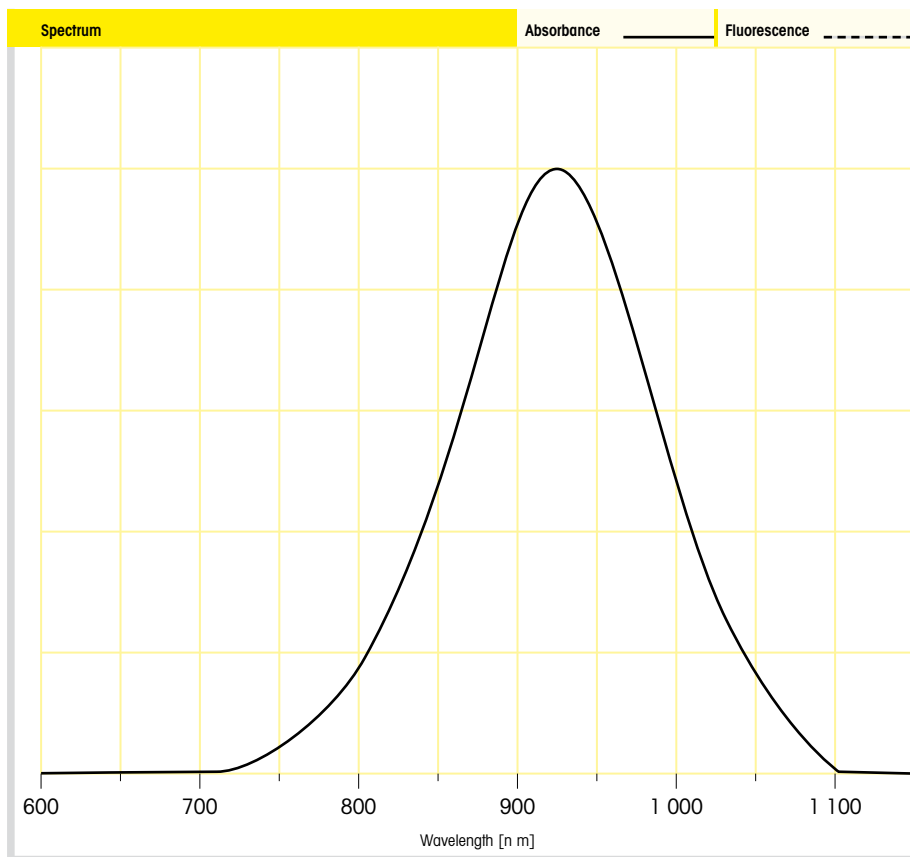
Molecular Formula C₃₂H₂₈NiO₄S₄

Molecular Structure



Absorption max. 925 nm

Application  



Code 14510

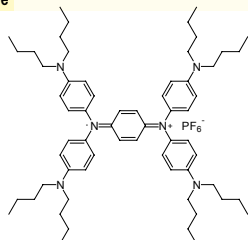
CAS No.

Chemical Name


N,N,N',N'-Tetrakis(4-dibutylaminophenyl)-p-phenyldiaminiummonoperfluorophosphat

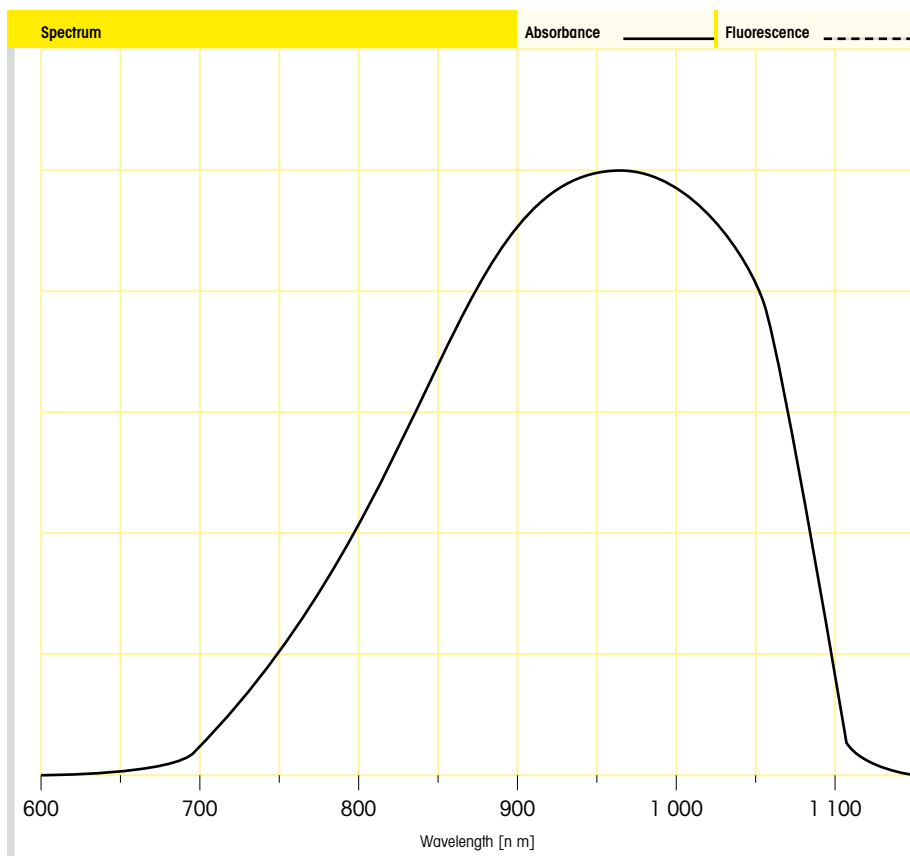
Molecular Formula C₆₂H₉₂N₆.PF₆

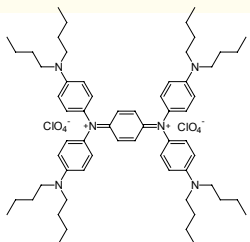

Molecular Structure

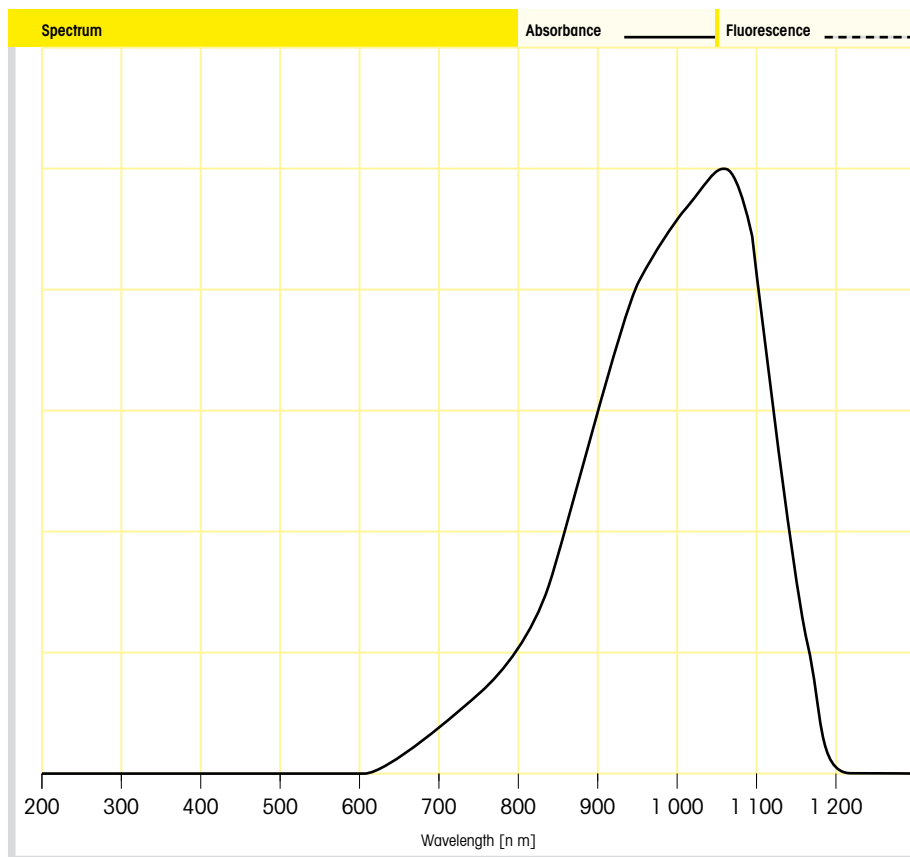


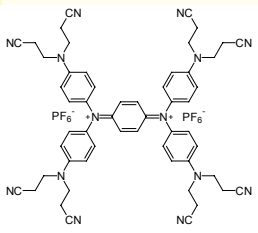

Absorption max. 955 nm

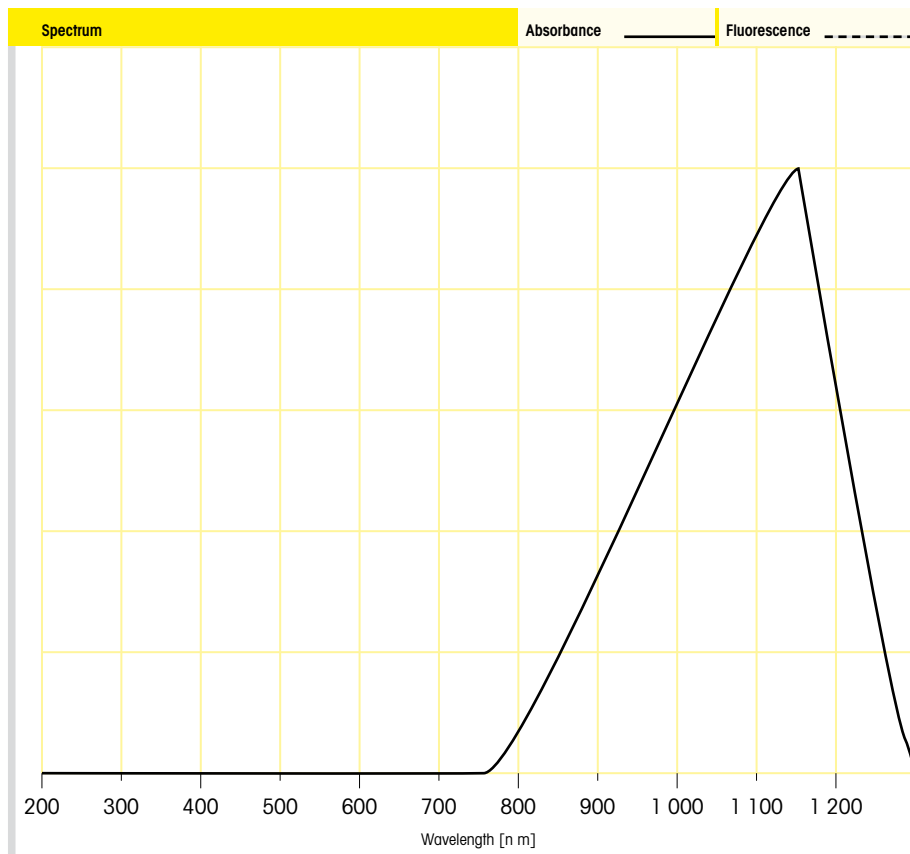
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Code	15000
CAS No.	88358-74-1
Chemical Name	<p>N,N,N',N'-Tetrakis(4-dibutylaminophenyl)- p-phenylenediaminiumdiperchlorat</p>
Molecular Formula	C ₆₂ H ₉₂ N ₆ ·2ClO ₄
Molecular Structure	
Absorption max.	1062 nm
Application	



Code	39980
CAS No.	253267-46-8
Chemical Name	<p>N,N,N',N'-Tetrakis[4-bis(3-cyanopropyl) aminophenyl]-p-phenylenediaminium dihexafluorophosphate</p>
Molecular Formula	C ₆₂ H ₆₈ N ₁₄ ·2PF ₆
Molecular Structure	
Absorption max.	1062 nm
Application	



$\lambda_{\max} = 1070 \text{ nm} \mid 1071 \text{ nm}$

Code 16020

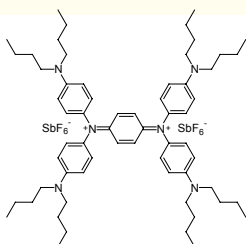
CAS No. 5496-71-9

Chemical Name

N,N,N',N'-Tetrakis(4-dibutylaminophenyl)-p-phenyldiaminumdiperfluorantimonat

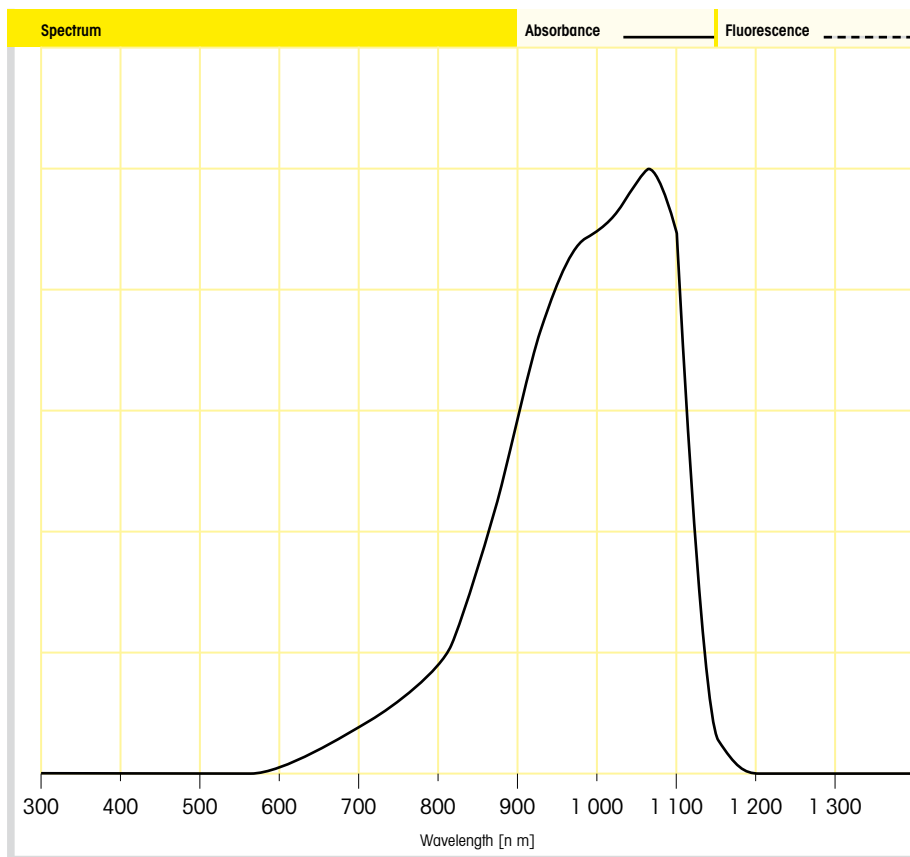
Molecular Formula C₆₂H₉₂N₆.2SbF₆

Molecular Structure



Absorption max. 1070 nm

Application



Code 17300

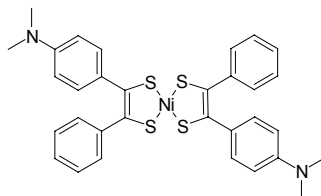
CAS No. 38465-55-3

Chemical Name

Bis(4-dimethylaminodithiobenzil)nickel

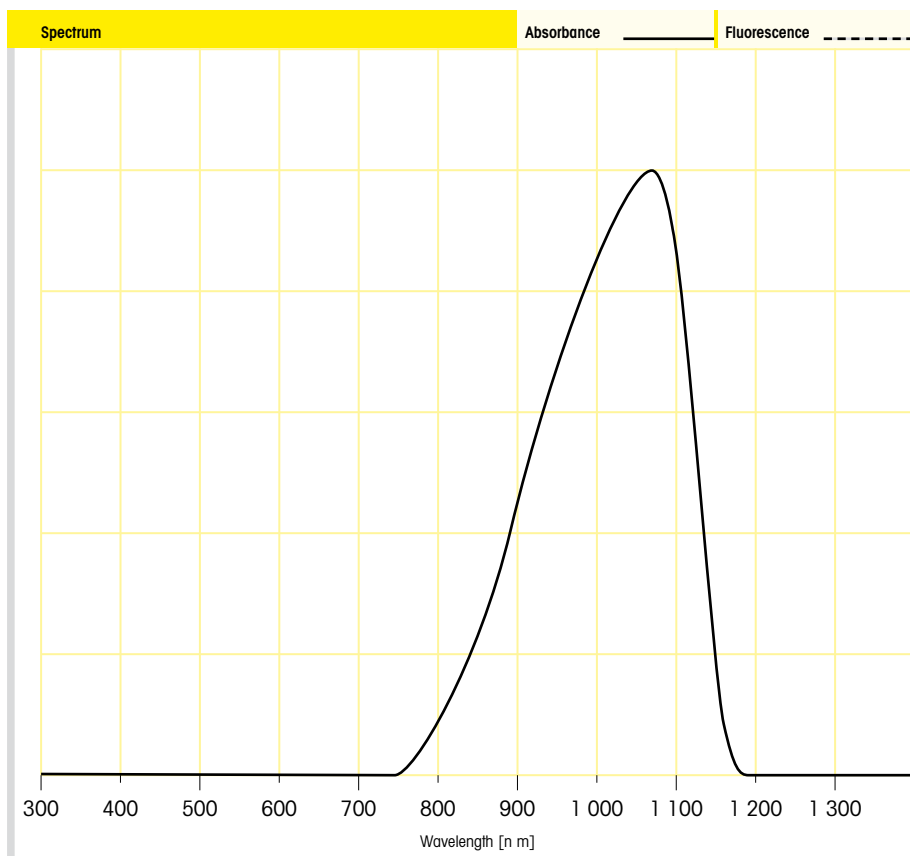
Molecular Formula C₃₂H₃₀N₂NiS₄

Molecular Structure



Absorption max. 1071 nm

Application





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C11H14N2O2S2	16	C21H21N2O2.I	18	C31H32N2O4S2	27	C62H68N14.2PF6	53
C11H15N3OS2	17	C21H22N3O.ClO4	41	C31H32N3O2S.Br	46	C62H68N14.PF6	51
C12H 9NO2	4	C21H24N2O3S	33	C31H39N3O6S4	15	C62H92N6.2ClO4	53
C12H11NO3	5	C22H16N6O9S2,2Na	41	C32H28NiO4S4	52	C62H92N6.2SbF6	54
C12H11NO4	6	C22H27NO4	12	C32H30N2NiS4	54	C62H92N6.PF6	52
C12H12N2OS2	15	C22H28KN3O5S2	18	C32H33ClN2O8S2,Na	20	C88H90N2O8	38
C12H12N2OS2	16	C23H16N4O12S2,4Na	29	C33H32BrN2.ClO4	37		
C12H13N2NaO3S3	19	C23H23N.I	26	C33H33N2.PF6	39		
C12H14N2OS3	12	C23H27N2.ClO4	40	C33H42N2O6S2,Na	43		
C12H17N3OS	17	C24H19K3N4O8S2	28	C33H43N2.ClO4	44		
C13H10N4O4S2	42	C24H26N2O4S3	30	C33H43N2.PF6	44		
C14H15N3O	13	C24H26N2O5S3	31	C35H32N2O10S2	22		
C14H17NO2	9	C24H27N2O2S2.Br	32	C35H33N2O2.C2H5O4S	23		
C15H11NO2	6	C25H16K2N4O12S2	42	C35H35N2.ClO4	47		
C15H15NO4	7	C25H22N4O8S2	40	C36H34N3OS2.Br	47		
C16H11ClN4Na2O7S2	10	C25H26N2O2S2	33	C36H44ClN2.I	49		
C16H17NO2	9	C25H29N2O4.SCN	23	C36H45N2.ClO4	36		
C16H19NO4	11	C25H29N2O4S2.Br	35	C37H35N2NaO8S2	22		
C17H26N2O3	8	C25H33ClN4O4S	21	C39H39N2NaO8S2	24		
C18H15N3	10	C26H23N2S.I	45	C39H40N3O2S3.I	46		
C18H15N3O12S3	30	C26H26N2O3	25	C39H45N2.ClO4	38		
C18H18KN3O4S	19	C26H27N2O3.ClO4	27	C39H47N3O6S4	37		
C18H19NO4	13	C26H30N2O4S3	34	C41H47N2.ClO4	48		
C19H19N2S2.C2H5O4S	11	C26H31N2OSSe.ClO4	35	C41H47N2.PF6	48		
C19H21NO4	8	C27H32ClN2O4.Cl	43	C42H50N6O4RuS2.2H	26		
C19H23N2.ClO4	20	C27H32N2O5S3	34	C43H49N2.PF6	50		
C20H15N2O3.Cl	24	C28H20NiS4	51	C44H42N6O4RuS6.2H	32		
C20H18N2O2	31	C28H31N2O3.Cl	28	C45H50N2O8S2,Na	50		
C20H19N3O2	14	C29H30N2O3S3	36				
C20H25NO2	5	C29H32N6O3S	25				
C20H26N3O.ClO4	45	C29H41N3O8S4	14				
C20H27NO4	7	C30H15FeN3Na3O15S3	49				

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- Racemate resolution
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- Sandmeyer reaction
- Sulfur chemistry
- Stereoselective synthesis
- Sulfonation

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- cGMP Kilo Lab
- Responsible Care



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