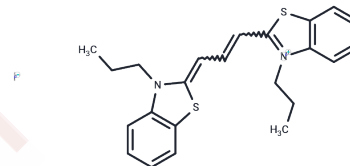


3,3'-Dipropylthiacarbocyanine iodide

Chemical Properties

CAS No. :	53336-12-2
Formula:	C ₂₃ H ₂₅ IN ₂ S ₂
Molecular Weight:	520.49
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	'3,3'-Dipropylthiacarbocyanine (iodide) serves as a multifunctional dye, essential across various domains ranging from scientific research to clinical diagnostics. In biological experiments, these dyes facilitate the observation and analysis of cell structures, tracking of biomolecules, evaluation of cell functions, differentiation of cell types, detection of biomolecules, examination of tissue pathology, and monitoring of microorganisms. Beyond their scientific and medical applications, they are integral to industries like textile dyeing, functional textile processing, food pigmentation, and the development of dye-sensitized solar cells.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9213 mL	9.6063 mL	19.2127 mL
5 mM	0.3843 mL	1.9213 mL	3.8425 mL
10 mM	0.1921 mL	0.9606 mL	1.9213 mL
50 mM	0.0384 mL	0.1921 mL	0.3843 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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