

Cy5B-trisulfo, NHS

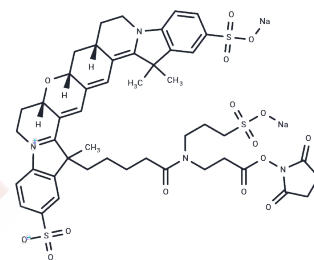
Chemical Properties

CAS No. :

Formula: C47H52N4Na2O15S3

Molecular Weight: 1055.11

Storage: Keep away from direct sunlight
 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	Cy5B-trisulfo, NHS, a far-red fluorescent dye, is delivered as an NHS ester to bind with primary amine groups. It is applicable in FRET, smFRET, FLIM, and SRM methods, including dSTORM for both live and fixed cells. Its excitation and emission peaks (λ) are at 669 nm and 685 nm, respectively, with an extinction coefficient of $241,000 \text{ M}^{-1}\text{cm}^{-1}$ and a quantum yield (QY) of 0.4.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9478 mL	4.7388 mL	9.4777 mL
5 mM	0.1896 mL	0.9478 mL	1.8955 mL
10 mM	0.0948 mL	0.4739 mL	0.9478 mL
50 mM	0.019 mL	0.0948 mL	0.1896 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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