

Sulfo-Cy5 amine

Chemical Properties

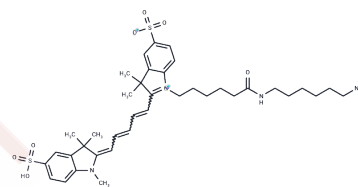
CAS No. : 2183440-44-8

Formula: C₃₈H₅₂N₄O₇S₂

Molecular Weight: 740.97

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	Sulfo-Cy5 amine, a dye derivative of Cyanine 5 (Cy5), includes an amine group and a sulfonate ion to enhance water solubility, making it ideal for aqueous solutions. This near-infrared fluorescent dye is extensively used in biolabeling and cell imaging, where its amine functionality can react with carboxyl groups to form covalent bonds, enabling attachment to biomolecules like proteins and antibodies for tracking their location and dynamic changes in biological samples.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3496 mL	6.7479 mL	13.4958 mL
5 mM	0.2699 mL	1.3496 mL	2.6992 mL
10 mM	0.135 mL	0.6748 mL	1.3496 mL
50 mM	0.027 mL	0.135 mL	0.2699 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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