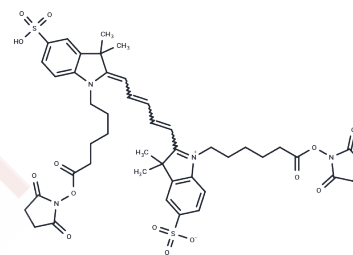


Cy5-bifunctional dye

Chemical Properties

CAS No. :	146368-15-2
Formula:	C45H52N4O14S2
Molecular Weight:	937.04
Storage:	Keep away from direct sunlight Store at -20°C <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Cy5-bifunctional dye is a derivative of CY5. CY5 is an amine-reactive fluorophore with excitation/emission wavelengths of 650/670 nm, commonly employed for labelling nucleic acids and proteins.
Targets(IC50)	Others
In vitro	Sulfo-Cy5 can mark the carboxyl group of biomolecules. It is used to labeled soluble proteins, polypeptides and oligonucleotides/DNA.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0672 mL	5.336 mL	10.6719 mL
5 mM	0.2134 mL	1.0672 mL	2.1344 mL
10 mM	0.1067 mL	0.5336 mL	1.0672 mL
50 mM	0.0213 mL	0.1067 mL	0.2134 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.

Reference

Parthasarathy N, et al. Polysaccharide microarray technology for the detection of Burkholderia pseudomallei and Burkholderia mallei antibodies. Diagn Microbiol Infect Dis. 2006 Nov;56(3):329-32.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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