

CY5-SE Ditriethylamine salt

Chemical Properties

CAS No. :

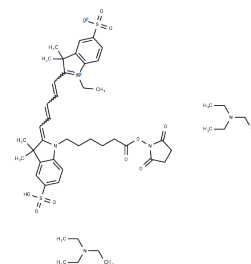
Formula: C49H73N5O10S2

Molecular Weight: 956.26

Keep away from moisture

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	CY5-SE Ditriethylamine salt is a reactive dye for the labeling of amino-groups in peptides, proteins, and oligonucleotides. Excitation (nm):649, Emission (nm): 670.
Targets(IC50)	Others
In vitro	Guidelines (This protocol only provides a guideline, and should be modified according to your specific needs). Conjugation of SELP Analogues with Cy5-SE. 1. 1 mL of each 100 µg/mL SELP solution in 100 mM sodium bicarbonate buffer (pH 8.3) is mixed with 10 µL of 1.2 mg/mL Cy5 mono NHS-ester in 10% DMSO and incubates for 2 hours on ice. 2. To quench the reaction, 50 µL of 1 M Tris-HCl (pH 8.0) is added to the reaction solution. 3. Reaction mixtures are loaded onto 1.5 mL Sephadex G-25 columns, and Cy5-conjugated SELPs are eluted by centrifugation for 3 minutes at 1050g[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0457 mL	5.2287 mL	10.4574 mL
5 mM	0.2091 mL	1.0457 mL	2.0915 mL
10 mM	0.1046 mL	0.5229 mL	1.0457 mL
50 mM	0.0209 mL	0.1046 mL	0.2091 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

Jeon HY, et al. Array-Based High-Throughput Analysis of Silk-Elastinlike Protein Polymer Degradation and C-Peptide Release by Proteases. *Anal Chem.* 2016;88(10):5398-5405.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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