

sCy5DL-amide

Chemical Properties

CAS No. :

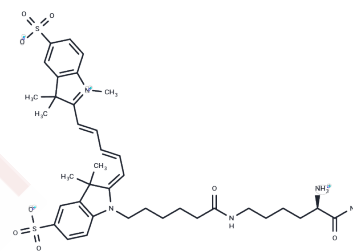
Formula: C38H51N5O8S2

Molecular Weight: 769.97

Keep away from direct sunlight

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	sCy5DL-amide is a fluorescent D-amino acid designed for peptidoglycan labeling across a broad spectrum of bacteria, encompassing gram-positive, gram-negative, and mycobacteria strains. It demonstrates exceptional incorporation into the Gram-positive B.subtilis. This compound enables the imaging of labeled bacteria using single molecule localization microscopy (SMLM), also known as PALM or STORM, with excitation/emission maxima at 646/666 nm.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2988 mL	6.4938 mL	12.9875 mL
5 mM	0.2598 mL	1.2988 mL	2.5975 mL
10 mM	0.1299 mL	0.6494 mL	1.2988 mL
50 mM	0.026 mL	0.1299 mL	0.2598 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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