

sCy5DA

Chemical Properties

CAS No. :

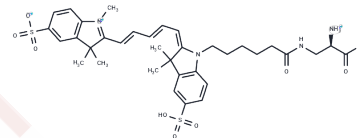
Formula: C₃₅H₄₄N₄O₉S₂

Molecular Weight: 728.88

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	sCy5DA, a fluorescent D-amino acid, is designed for annotating peptidoglycans in live bacteria, facilitating the imaging of a broad spectrum of bacterial types, including gram-positive, gram-negative, and mycobacteria, with notably efficient incorporation into gram-negative <i>C. crescentus</i> . This compound allows the bacteria it labels to be visualized through single molecule localization microscopy (SMLM; known as PALM or STORM), with excitation/emission maxima reported at 646/665 nm.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.372 mL	6.8598 mL	13.7197 mL
5 mM	0.2744 mL	1.372 mL	2.7439 mL
10 mM	0.1372 mL	0.686 mL	1.372 mL
50 mM	0.0274 mL	0.1372 mL	0.2744 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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