

Cy5-DBCO

Chemical Properties

CAS No. : 1564286-24-3

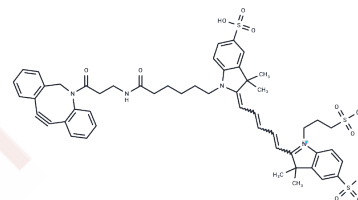
Formula: C52H56N4O11S3

Molecular Weight: 1009.22

Storage: Keep away from direct sunlight

Store at -20°C

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Cy5-DBCO is a near-infrared, anthocyanine fluorescent dye Cy5 (Cyanine 5) derivative with an excitation wavelength of 650 nm and an emission wavelength of 670 nm. DBCO-Sulfo-Cy5 contains a DBCO moiety, which can undergo SPAAC click chemistry with molecules that contain Azide moieties.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (49.54 mM), Sonication is recommended. H2O: 8 mg/mL (7.93 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9909 mL	4.9543 mL	9.9086 mL
5 mM	0.1982 mL	0.9909 mL	1.9817 mL
10 mM	0.0991 mL	0.4954 mL	0.9909 mL
50 mM	0.0198 mL	0.0991 mL	0.1982 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

Bo Y, Jiang Y, Chen K, Cai K, Li W, Roy J, Bao Y, Cheng J. Targeting infected host cells in vivo via responsive azido-sugar mediated metabolic cell labeling followed by click reaction. Biomaterials. 2020 Apr;238:119843.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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