

Sulfo DBCO-PEG3-NHS ester

Chemical Properties

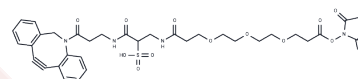
CAS No. :

Formula: C₃₅H₄₀N₄O₁₃S

Molecular Weight: 756.78

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	Sulfo DBCO-PEG3-NHS ester is a water-soluble bifunctional click chemistry reagent that combines the amine reactivity of the NHS ester with the copper-free click reactivity of DBCO. The PEG3 linker provides a suitable hydrophilic spacer arm, while the sulfonic acid group significantly enhances water solubility, making it commonly used for bio-conjugation in aqueous media.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3214 mL	6.6069 mL	13.2139 mL
5 mM	0.2643 mL	1.3214 mL	2.6428 mL
10 mM	0.1321 mL	0.6607 mL	1.3214 mL
50 mM	0.0264 mL	0.1321 mL	0.2643 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

Jiang X, et al. Recent applications of click chemistry in drug discovery. Expert Opin Drug Discov. 2019 Aug;14(8): 779-789.

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481