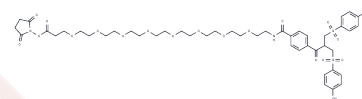


Bis-sulfone-PEG8-NHS ester

Chemical Properties

CAS No. : 2363757-66-6
 Formula: C₄₈H₆₄N₂O₁₈S₂
 Molecular Weight: 1021.15
 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	Bis-sulfone-PEG8-NHS ester is a bis-alkylating labeling agent that selectively removes cysteine sulfur atoms from native disulfide bonds. These agents achieve bis-alkylation by covalently bridging the two thiols from cysteine residues derived from reduced native disulfide bonds, such as interchain disulfide bonds in antibodies, through a three-carbon bridge while maintaining the integrity of the protein structure. The hydrophilic PEG spacer enhances solubility in aqueous media.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9793 mL	4.8964 mL	9.7929 mL
5 mM	0.1959 mL	0.9793 mL	1.9586 mL
10 mM	0.0979 mL	0.4896 mL	0.9793 mL
50 mM	0.0196 mL	0.0979 mL	0.1959 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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