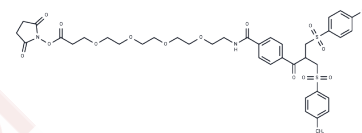


Bis-sulfone-PEG4-NHS ester

Chemical Properties

CAS No. :	2055047-19-1
Formula:	C40H48N2O14S2
Molecular Weight:	844.944
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-PEG4-NHS ester is a bifunctional alkylating labeling reagent that selectively removes cysteine sulfur atoms from native disulfide bonds. These reagents perform bis-alkylation to attach both thiols from two cysteine residues, originating from reduced native disulfide bonds (such as interchain disulfide bonds in antibodies). The reaction results in a covalent bond through a three-carbon bridge, maintaining the protein's structural integrity. The hydrophilic PEG spacer enhances its solubility in aqueous media.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1835 mL	5.9176 mL	11.8352 mL
5 mM	0.2367 mL	1.1835 mL	2.367 mL
10 mM	0.1184 mL	0.5918 mL	1.1835 mL
50 mM	0.0237 mL	0.1184 mL	0.2367 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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