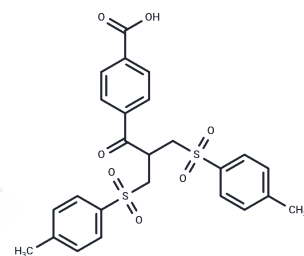


4-(3-Tosyl-2-(tosylmethyl)propanoyl)benzoic acid

Chemical Properties

CAS No. :	124243-00-1
Formula:	C ₂₅ H ₂₄ O ₇ S ₂
Molecular Weight:	500.58
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	4-(3-Tosyl-2-(tosylmethyl)propanoyl)benzoic acid (Bis-sulfone Acid) is a strong covalent linker containing a free carboxylic acid and two tosyl groups. 4-(3-Tosyl-2-(tosylmethyl)propanoyl)benzoic acid permits sequential displacement of each tosyl group by thiol or amine nucleophiles through Michael addition. 4-(3-Tosyl-2-(tosylmethyl)propanoyl)benzoic acid enables covalent "stapling" of two reduced cysteine residues on a protein to restore disulfide bridges, while the free carboxylic acid can be transformed into amides or esters, making the molecule a versatile tool for protein engineering and bioconjugation.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80.00 mg/mL (159.81 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	1.9977 mL	9.9884 mL	19.9768 mL
5 mM	0.3995 mL	1.9977 mL	3.9954 mL
10 mM	0.1998 mL	0.9988 mL	1.9977 mL
50 mM	0.040 mL	0.1998 mL	0.3995 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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