Data Sheet (Cat.No.T15175)

TargetMol

DSP Crosslinker

Chemical Properties

CAS No. : 57757-57-0

Formula: C14H16N2O8S2

Molecular Weight: 404.415

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	DSP Crosslinker, used in antibody-drug conjugates (ADCs) synthesis, is a cleavable ADC linker[1].
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	ADCs consist of an antibody attached to an ADC cytotoxin through an ADC linker.

Solubility Information

Solubility	DMSO: 33.30 mg/mL (82.34 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.30 mg/mL (8.16 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4727 mL	12.3634 mL	24.7268 mL
5 mM	0.4945 mL	2.4727 mL	4.9454 mL
10 mM	0.2473 mL	1.2363 mL	2.4727 mL
50 mM	0.0495 mL	0.2473 mL	0.4945 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

Zorea J, et al. Probing antibody surface density and analyte antigen incubation time as dominant parameters influencing the antibody-antigen recognition events of a non-faradaic and diffusion-restricted electrochemical immunosensor. Anal Bioanal Chem. 2020 Mar;412(7):1709-1717.

Lin W, Niu R, Park S M, et al.IGFBP5 is an ROR1 ligand promoting glioblastoma invasion via ROR1/HER2-CREB signaling axis.Nature Communications.2023, 14(1): 1578.