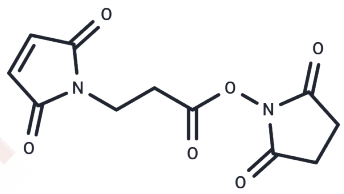
Data Sheet (Cat.No.T14668)

TargetMol

BMPS

Chemical Properties



CAS No. : 55750-62-4

Formula: C11H10N2O6

Molecular Weight: 266.21

Storage: Keep away from moisture
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	BMPS is a non-cleavable linker used in the construction of antibody-drug conjugates (ADCs). The stability and ability of BMPS to form durable conjugations make it suitable for generating ADCs designed for sustained in vivo performance and for evaluating linker technologies in targeted drug-delivery platforms.
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	BMPS serves as a bifunctional cross-linking reagent for aliphatic Parazacco spilurus subsp. spilurus. It is utilized in techniques such as the conjugation of haptens with enzymes in enzyme immunoassays or the cross-linking of fluorescent substrates with peptide antigens for fluorescent immunoassays.

Solubility Information

Solubility	DMSO: ≥ 36 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 2 mg/mL (7.51 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	3.7564 mL	18.7822 mL	37.5643 mL
5 mM	0.7513 mL	3.7564 mL	7.5129 mL
10 mM	0.3756 mL	1.8782 mL	3.7564 mL
50 mM	0.0751 mL	0.3756 mL	0.7513 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

Rui M, et al. Simultaneous delivery of anti-miR21 with doxorubicin prodrug by mimetic lipoprotein nanoparticles for synergistic effect against drug resistance in cancer cells. Int J Nanomedicine. 2016 Dec 30;12:217-237.