

SPDB

Chemical Properties

CAS No. : 115088-06-7

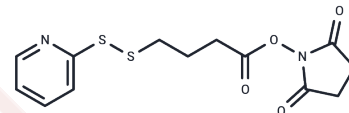
Formula: C₁₃H₁₄N₂O₄S₂

Molecular Weight: 326.39

Store at low temperature, Keep away from moisture,
Store under nitrogen

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1
year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	SPDB is a degradable ADC linker that can be used to synthesize antibody-drug conjugates. SPDB is a small fragment attached to the DM4 conjugate and conjugated to the antibody using a disulfide bond.
Targets(IC50)	ADC Linker

Solubility Information

Solubility	DMSO: 10 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: 1 mg/mL (3.06 mM), Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0638 mL	15.3191 mL	30.6382 mL
5 mM	0.6128 mL	3.0638 mL	6.1276 mL
10 mM	0.3064 mL	1.5319 mL	3.0638 mL
50 mM	0.0613 mL	0.3064 mL	0.6128 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

Widdison WC, et al. Development of Anilino-Maytansinoid ADCs that Efficiently Release Cytotoxic Metabolites in Cancer Cells and Induce High Levels of Bystander Killing. *Bioconjug Chem.* 2015 Nov 18;26(11):2261-78.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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