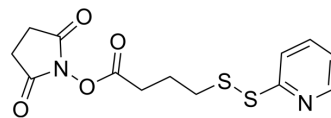


SPDB

Cat. No.:	HY-12448		
CAS No.:	115088-06-7		
Molecular Formula:	C ₁₃ H ₁₄ N ₂ O ₄ S ₂		
Molecular Weight:	326.39		
Target:	ADC Linker		
Pathway:	Antibody-drug Conjugate/ADC Related		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 200 mg/mL (612.76 mM; Need ultrasonic)
 Ethanol : 100 mg/mL (306.38 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	SPDB is a glutathione cleavable ADC linker used for the antibody-drug conjugate (ADCs) ^[1] .	
IC₅₀ & Target	Disulfide Cleavable Linker	Cleavable Linker

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA