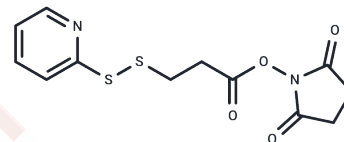


## SPDP

### Chemical Properties

CAS No. : 68181-17-9  
 Formula: C<sub>12</sub>H<sub>12</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub>  
 Molecular Weight: 312.36  
 Appearance: no data available  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



### Biological Description

Description	SPDP is a short-chain crosslinker, which is used for amine-to-sulfhydryl conjugation via NHS-ester and pyridyldithiol reactive groups that form cleavable (reducible) disulfide bonds with cysteine sulfhydryls. SPDP could activate equal amounts of anti-CD11c and anti-CTLA-4 Abs (in borate buffered saline; pH 8.5).
Targets(IC50)	ADC Linker

### Solubility Information

Solubility	DMSO: 155 mg/mL (496.22 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	3.2014 mL	16.0072 mL	32.0143 mL
5 mM	0.6403 mL	3.2014 mL	6.4029 mL
10 mM	0.3201 mL	1.6007 mL	3.2014 mL
50 mM	0.064 mL	0.3201 mL	0.6403 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.

### Reference

Lobedanz S et al. Proc Natl Acad Sci U S A, 2007, 104(11):4612-7.;

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