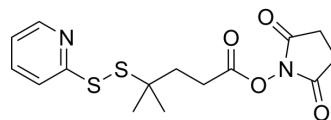


## SPDMV

Cat. No.:	HY-129368		
CAS No.:	890409-85-5		
Molecular Formula:	C <sub>15</sub> H <sub>18</sub> N <sub>2</sub> O <sub>4</sub> S <sub>2</sub>		
Molecular Weight:	354.44		
Target:	ADC Linker		
Pathway:	Antibody-drug Conjugate/ADC Related		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : 100 mg/mL (282.14 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8214 mL	14.1068 mL	28.2135 mL
	5 mM	0.5643 mL	2.8214 mL	5.6427 mL
	10 mM	0.2821 mL	1.4107 mL	2.8214 mL

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

### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (7.05 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (7.05 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (7.05 mM); Clear solution

## BIOLOGICAL ACTIVITY

### Description

SPDMV is a glutathione cleavable ADC linker used for the antibody-drug conjugate (ADCs)<sup>[1]</sup>.

### IC<sub>50</sub> & Target

Disulfide Cleavable

## REFERENCES

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

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