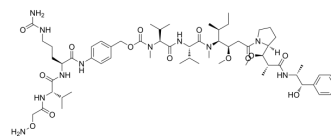


(Aminoxy)acetamide-Val-Cit-PAB-MMAE

Cat. No.:	HY-153263
CAS No.:	2446645-88-9
Molecular Formula:	C ₆₀ H ₉₇ N ₁₁ O ₁₄
Molecular Weight:	1196.48
Target:	Drug-Linker Conjugates for ADC
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (83.58 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	0.8358 mL	4.1789 mL	8.3578 mL
5 mM	0.1672 mL	0.8358 mL	1.6716 mL
10 mM	0.0836 mL	0.4179 mL	0.8358 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 (2.09 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (2.09 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (2.09 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(Aminoxy)acetamide-Val-Cit-PAB-MMAE (MMAE 5) is an intermediate used in the synthetic preparation of drug-linker conjugates for ADC. (Aminoxy)acetamide-Val-Cit-PAB-MMAE is conjugated to polyamide via oxime bond formation to form MMAE polyamide conjugate. Then MMAE polyamide conjugate can be conjugated to Trastuzumab, to make ADC^[1].

REFERENCES

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