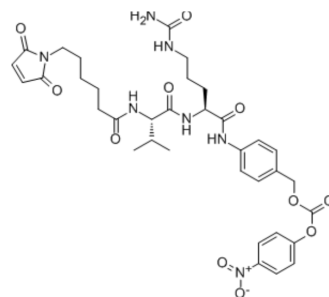


Mc-Val-Cit-PABC-PNP

Cat. No.:	HY-20336
CAS No.:	159857-81-5
Molecular Formula:	C ₃₅ H ₄₃ N ₇ O ₁₁
Molecular Weight:	737.76
Target:	ADC Linker
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 37 mg/mL (50.15 mM)
* "≥" means soluble, but saturation unknown.

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.3555 mL	6.7773 mL	13.5545 mL
5 mM	0.2711 mL	1.3555 mL	2.7109 mL
10 mM	0.1355 mL	0.6777 mL	1.3555 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: 5 mg/mL (6.78 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 5 mg/mL (6.78 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Mc-Val-Cit-PABC-PNP is a cathepsin cleavable linker for antibody-drug conjugates (ADCs) which couples the antibody element to the effecting compound. Mc-Val-Cit-PABC-PNP can be used in the synthesis of ADCs^{[1][2]}.

IC₅₀ & Target

Protease Cleavable Linker

Cleavable Linker

CUSTOMER VALIDATION

- Patent. US20220378926A1.
- Patent. US20200054762A1.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Li Y, et al. Discovery of novel antibody-drug conjugates bearing tissue protease specific linker with both anti-angiogenic and strong cytotoxic effects. Bioorg Chem. 2023 Aug;137:106575.

[2]. Che-Leung Law et al. Anti-cd70 antibody-drug conjugates and their use for the treatment of cancer and immune disorders. Patent WO2005081711A2.

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

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