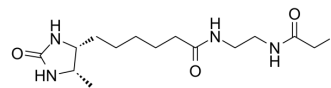


Desthiobiotin-Iodoacetamide

Cat. No.:	HY-150230		
CAS No.:	2924824-04-2		
Molecular Formula:	C ₁₄ H ₂₅ IN ₄ O ₃		
Molecular Weight:	424.28		
Target:	ADC Linker		
Pathway:	Antibody-drug Conjugate/ADC Related		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (117.85 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3569 mL	11.7847 mL	23.5693 mL
	5 mM	0.4714 mL	2.3569 mL	4.7139 mL
	10 mM	0.2357 mL	1.1785 mL	2.3569 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: ≥ 1.25 mg/mL (2.95 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 1.25 mg/mL (2.95 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Desthiobiotin-Iodoacetamide can be used as an ADC Linker. Desthiobiotin-Iodoacetamide also acts as a probe used to label the the Oridonin (HY-N0004)-treated cell lysis^[1].

REFERENCES

- [1]. Zhang Y, et al. Oridonin acts as a novel senolytic by targeting glutathione S-transferases to activate the ROS-p38 signaling axis in senescent cells. Chem Commun (Camb). 2022 Nov 29;58(95):13250-13253.

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

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