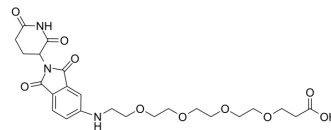


Thalidomide-NH-PEG4-COOH

Cat. No.:	HY-134591
CAS No.:	2412056-48-3
Molecular Formula:	C ₂₄ H ₃₁ N ₃ O ₁₀
Molecular Weight:	521.52
Target:	E3 Ligase Ligand-Linker Conjugates
Pathway:	PROTAC
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 80 mg/mL (153.40 mM; Need ultrasonic)						
	H ₂ O : 10 mg/mL (19.17 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.9175 mL	9.5874 mL	19.1747 mL
				5 mM	0.3835 mL	1.9175 mL	3.8349 mL
10 mM				0.1917 mL	0.9587 mL	1.9175 mL	
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 4 mg/mL (7.67 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 4 mg/mL (7.67 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Thalidomide-NH-PEG4-COOH is an E3 ligase ligand-linker conjugate which can be used for synthesizing dCBP-1. dCBP-1 is a potent and selective heterobifunctional degrader of p300/CBP ^[1] .
IC ₅₀ & Target	Cereblon
In Vitro	Thalidomide-NH-PEG4-COOH (S13) is the E3 ligase ligand-linker conjugate of dCBP-1 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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