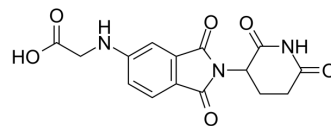


Thalidomide-5-NH₂-CH₂-COOH

Cat. No.:	HY-46531		
CAS No.:	2412056-27-8		
Molecular Formula:	C ₁₅ H ₁₃ N ₃ O ₆		
Molecular Weight:	331.28		
Target:	Ligands for E3 Ligase		
Pathway:	PROTAC		
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 : 33.33 mg/mL (100.61 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.0186 mL	15.0930 mL	30.1859 mL
		5 mM	0.6037 mL	3.0186 mL	6.0372 mL
10 mM		0.3019 mL	1.5093 mL	3.0186 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: ≥ 2.08 mg/mL (6.28 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (6.28 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Thalidomide-5-NH ₂ -CH ₂ -COOH (compound 114) is a potent and selective inhibitor of tropomyosin receptor kinase (trk). Thalidomide-5-NH ₂ -CH ₂ -COOH is a ligand of E3 ligase. Thalidomide-5-NH ₂ -CH ₂ -COOH has the potential for researching one or more diseases (extracted from patent WO2021170109A1) ^[1] .
IC₅₀ & Target	trk ^[1]

REFERENCES

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

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