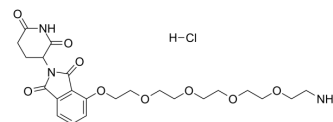


Thalidomide-O-PEG4-amine hydrochloride

Cat. No.:	HY-141010A
CAS No.:	2820929-03-9
Molecular Formula:	C ₂₃ H ₃₂ ClN ₃ O ₉
Molecular Weight:	529.97
Target:	E3 Ligase Ligand-Linker Conjugates
Pathway:	PROTAC
Storage:	-20°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 : 250 mg/mL (471.72 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.8869 mL	9.4345 mL	18.8690 mL
5 mM	0.3774 mL	1.8869 mL	3.7738 mL
10 mM	0.1887 mL	0.9434 mL	1.8869 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Thalidomide-O-PEG4-amine hydrochloride is a synthesized E3 ligase ligand-linker conjugate that incorporates the Thalidomide based cereblon ligand and a linker used in PROTAC technology^[1].

IC₅₀ & Target

Cereblon

In Vitro

PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Zhang NN, et al. A Thermostable mRNA Vaccine against COVID-19. Cell. 2020;182(5):1271-1283.e16.

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

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