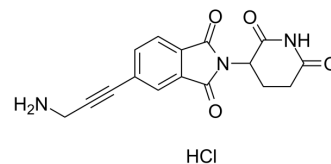


Thalidomide-5-propargyne-NH₂ hydrochloride

Cat. No.:	HY-139546
CAS No.:	2490402-62-3
Molecular Formula:	C ₁₆ H ₁₄ ClN ₃ O ₄
Molecular Weight:	347.75
Target:	Ligands for E3 Ligase
Pathway:	PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Thalidomide-5-propargyne-NH ₂ hydrochloride is the Thalidomide-based cereblon ligand used in the recruitment of CRBN protein. Thalidomide-5-propargyne-NH ₂ hydrochloride can be connected to the ligand for protein by a linker to form PROTACs ^[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]. Nalawansa DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. Cell Chem Biol. 2020;27(8):998-994.

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

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