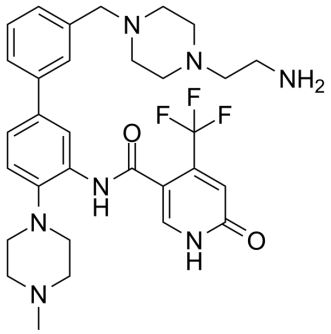
OICR-9429-N-C2-NH2

Cat. No.:	HY-141798
CAS No.:	2407457-55-8
Molecular Formula:	$C_{31}H_{38}F_3N_7O_2$
Molecular Weight:	597.67
Target:	Ligands for Target Protein for PROTAC
Pathway:	PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	OICR-9429-N-C2-NH2 is a ligand for Wd40 repeat domain protein 5 (WDR5) extracted from patent WO2019246570A1, intermediate 2. OICR-9429-N-C2-NH2 can be used in the synthesis of PROTACs[1].
IC_{50} & Target	Ligand for Target Protein for PROTAC[1]
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[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Jin J, et, al. Wd40 repeat domain protein 5 (wdr5) degradation / disruption compounds and methods of use. WO2019246570A1.

[2]. Chung CW, et, al. Structural Insights into PROTAC-Mediated Degradation of Bcl-xL. ACS Chem Biol. 2020 Sep 18;15(9):2316-2323.

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