Dimethyl-F-OICR-9429-COOH

Cat. No.: HY-141799

CAS No.: 2407458-49-3

Molecular Formula: $C_{27}H_{26}F_4N_4O_4$

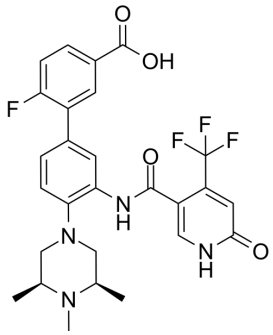
Molecular Weight: 546.51

Target: Ligands for Target Protein for PROTAC

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 : 200 mg/mL (365.96 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.8298 mL	9.1490 mL	18.2979 mL
	5 mM	0.3660 mL	1.8298 mL	3.6596 mL
	10 mM	0.1830 mL	0.9149 mL	1.8298 mL

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

BIOLOGICAL ACTIVITY

Description

Dimethyl-F-OICR-9429-COOH a ligand for WD40 repeat domain protein 5 (WDR5) extracted from patent WO2019246570A1 intermediate 19. Dimethyl-F-OICR-9429-COOH 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[1].

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.

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

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