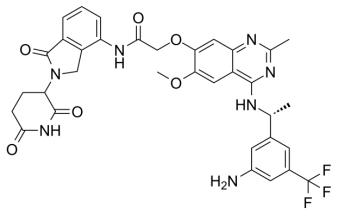
PROTAC SOS1 degrader-3

Cat. No.:	HY-152145
CAS No.:	3029320-99-5
Molecular Formula:	$C_{34}H_{32}F_3N_7O_6$
Molecular Weight:	691.66
Target:	PROTACs; Ras
Pathway:	PROTAC; GPCR/G Protein; MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PROTAC SOS1 degrader-3 is a potent PROTAC SOS1 degrader. PROTAC SOS1 degrader-3 effectively targeted SOS1 for degradation through the ubiquitin-proteasome system[1].	
IC_{50} & Target	Cereblon	SOS1

In Vitro

PROTAC SOS1 degrader-3 (P7; 0.1-10 μM; 6 hours) induces SOS1 degradation in SW620 cells. In addition to SW620, PROTAC SOS1 degrader-3 also induces SOS1 degradation in other colorectal cancer (CRC) cell lines HCT116, C2BB, and SW1417 in a concentration-dependent manner. The half maximal degradation concentration (DC_{50}) for SW620, HCT116, and SW1417 at 24 h is 0.59 μM, 0.75 μM, and 0.19 μM, respectively[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Western Blot Analysis[1]

Cell Line:	SW620 cells
Concentration:	0.1 μM, 1 μM, 10 μM
Incubation Time:	6 hours
Result:	Induced SOS1 degradation.

REFERENCES

[1]. Yujia Bian, et al. Development of SOS1 Inhibitor-Based Degraders to Target KRAS-Mutant Colorectal Cancer. J Med Chem. 2022 Dec 22;65(24):16432-16450.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA