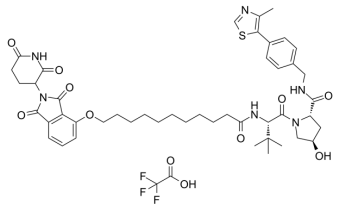
ZXH-4-130 TFA

Cat. No.:	HY-132857A
CAS No.:	2711006-67-4
Molecular Formula:	$C_{48}H_{59}F_3N_6O_{11}S$
Molecular Weight:	985.08
Target:	PROTACs
Pathway:	PROTAC
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 170 mg/mL (172.57 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.0151 mL	5.0757 mL	10.1515 mL
	5 mM	0.2030 mL	1.0151 mL	2.0303 mL
	10 mM	0.1015 mL	0.5076 mL	1.0151 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 4.25 mg/mL (4.31 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

ZXH-4-130 TFA is a highly potent and selective degrader of CRBN. ZXH-4-130 is a CRBN-VHL compound (hetero-PROTAC). ZXH-4-130 TFA induces ~80% CRBN degradation at 10 nM in MM1.S cells[1].

IC_{50} & Target

VHL

In Vitro

ZXH-4-130 (100 nM; 2 h pre-treatment; followed by 96-hour treatment with 1 μM of Pomalidomide) TFA prevents Pomalidomide (1 μM) cytotoxicity to a significant extent, ZXH-4-130 TFA has statistically significant amounts of prevention[1].

ZXH-4-130 TFA (pretreatment with 50 nM) rescues GSPT1 degradation induced by CC-885 in MM1.S cells[1].

ZXH-4-130 (100 nM; 2 h pre-treatment; followed by 6 h treatment with THAL-SNS-032)TFA induces nearly complete CRBN degradation, but THAL-SNS-032's activity against CDK9 is only partially prevented[1].

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

REFERENCES

[1]. Chelsea E Powell, et al. Selective degradation-inducing probes for studying cereblon (CRBN) biology. RSC Med Chem. 2021 Jul 6;12(8):1381-1390.

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