JPS016 TFA

Cat. No.: HY-145816A

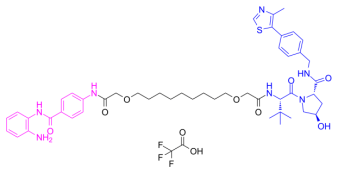
Molecular Formula: $C_{50}H_{64}F_3N_7O_{10}S$

Molecular Weight: 1012.14

Target: HDAC; PROTACs

Pathway: Cell Cycle/DNA Damage; Epigenetics; PROTAC

Storage: -20°C, protect from light, stored under nitrogen
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (98.80 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	0.9880 mL	4.9400 mL	9.8801 mL
	5 mM	0.1976 mL	0.9880 mL	1.9760 mL
	10 mM	0.0988 mL	0.4940 mL	0.9880 mL

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

BIOLOGICAL ACTIVITY

Description

JPS016 is a benzamide-based Von Hippel-Lindau (VHL) E3-ligase proteolysis targeting chimeras (PROTAC). JPS016 degrades class I histone deacetylase (HDAC). JPS016 is potent HDAC1/2 degrader correlated with greater total differentially expressed genes and enhanced apoptosis in HCT116 cells[1].

REFERENCES

[1]. Smalley JP, et al. Optimization of Class I Histone Deacetylase PROTACs Reveals that HDAC1/2 Degradation is Critical to Induce Apoptosis and Cell Arrest in Cancer Cells. J Med Chem. 2022;65(7):5642-5659.

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