HDAC6 degrader-1

Cat. No.: HY-132998

CAS No.: 2439058-23-6

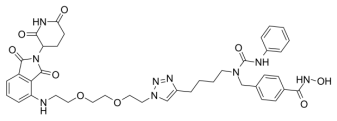
Molecular Formula: $C_{40}H_{45}N_9O_9$

Molecular Weight: 795.84

Target: PROTACs

Pathway: PROTAC

Storage: 4°C, sealed storage, away from moisture
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (125.65 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.2565 mL	6.2827 mL	12.5653 mL
	5 mM	0.2513 mL	1.2565 mL	2.5131 mL
	10 mM	0.1257 mL	0.6283 mL	1.2565 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (3.14 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

HDAC6 degrader-1 is a PROTAC that comprises a selective HDAC6 inhibitor Nexturastat A (Nex A) as the HDAC6 binder, a linker and a ligand for recruiting E3 ligase. HDAC6 degrader-1 induces significant degradation of HDAC6, exhibits excellent selectivity against other HDACs, and demonstrates efficient inhibition of cell proliferation[1].

REFERENCES

[1]. An Z, et al. Developing potent PROTACs tools for selective degradation of HDAC6 protein [published correction appears in Protein Cell. 2019 Feb 22;:]. Protein Cell. 2019;10(8):606-609.

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

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