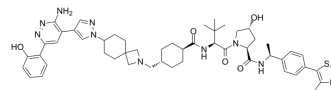


SMD-3040

Cat. No.:	HY-156568
CAS No.:	3033109-92-8
Molecular Formula:	C ₅₂ H ₆₆ N ₁₀ O ₅ S
Molecular Weight:	943.21
Target:	Epigenetic Reader Domain; PROTACs
Pathway:	Epigenetics; PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (106.02 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		1.0602 mL	5.3010 mL	10.6021 mL
	5 mM		0.2120 mL	1.0602 mL	2.1204 mL
	10 mM		0.1060 mL	0.5301 mL	1.0602 mL

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

BIOLOGICAL ACTIVITY

Description

SMD-3040 is a potent and selective of SMARCA2 PROTAC degrader (DC₅₀: 12 nM). SMD-3040 contains SMARCA2/4 ligand, linker and VHL ligand. SMD-3040 demonstrates excellent degradation selectivity for SMARCA2 protein over SMARCA4 protein. SMD-3040 achieves strong tumor growth inhibition in xenograft models^[1].

REFERENCES

[1]. Yang L, et.al. Discovery of SMD-3040 as a Potent and Selective SMARCA2 PROTAC Degradator with Strong in vivo Antitumor Activity. J Med Chem. 2023 Jul 31.

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

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