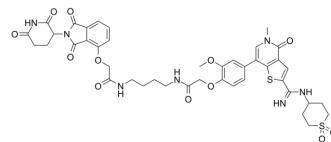


PROTAC BRD9 Degradator-1

Cat. No.:	HY-103632
CAS No.:	2097971-01-0
Molecular Formula:	C ₄₂ H ₄₅ N ₇ O ₁₂ S ₂
Molecular Weight:	903.98
Target:	PROTACs; Epigenetic Reader Domain
Pathway:	PROTAC; Epigenetics
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 150 mg/mL (165.93 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.1062 mL	5.5311 mL	11.0622 mL
				5 mM	0.2212 mL	1.1062 mL	2.2124 mL
				10 mM	0.1106 mL	0.5531 mL	1.1062 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 (2.77 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (2.77 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	PROTAC BRD9 Degradator-1 is a PROTAC connected by ligands for Cereblon and BRD9 (IC ₅₀ =13.5 nM), which can be used as a selective probe useful for the study of BAF complex biology ^[1] .		
IC ₅₀ & Target	BRD9 13.5 nM (IC ₅₀)	BRD4 3.78 μM (IC ₅₀)	CRBN-DDB1 48.9 nM (IC ₅₀)
In Vitro	PROTAC BRD9 Degradator-1 (Compound 1) inhibits BRD9, BRD4, and CRBN-DDB1 with IC ₅₀ s of 13.5 nM, 3.78 μM, and 48.9 nM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.		

REFERENCES

[1]. Remillard D, et al. Degradation of the BAF Complex Factor BRD9 by Heterobifunctional Ligands. *Angew Chem Int Ed Engl.* 2017 May 15;56(21):5738-5743.

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

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