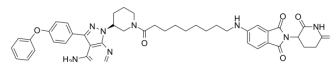


GBD-9

Cat. No.:	HY-153803
CAS No.:	2864408-92-2
Molecular Formula:	C ₄₄ H ₄₇ N ₉ O ₆
Molecular Weight:	797.9
Target:	PROTACs; Molecular Glues; Btk
Pathway:	PROTAC; Protein Tyrosine Kinase/RTK
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 : 100 mg/mL (125.33 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.2533 mL	6.2664 mL	12.5329 mL
5 mM	0.2507 mL	1.2533 mL	2.5066 mL
10 mM	0.1253 mL	0.6266 mL	1.2533 mL

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

BIOLOGICAL ACTIVITY

Description

GBD-9 is a double-mechanism degrader that efficiently degrades BTK and GSPT1 by recruiting the E3 ligase cereblon (CRBN). GBD-9 acts both as a PROTAC molecule to induce the degradation of BTK and as a molecular glue to degrade GSPT1. GBD-9 effectively inhibits cancer cell growth^[1].

IC₅₀ & Target

Cereblon

REFERENCES

[1]. Zimo Yang, et al. Merging PROTAC and molecular glue for degrading BTK and GSPT1 proteins concurrently. Cell Res. 2021 Dec;31(12):1315-1318.

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