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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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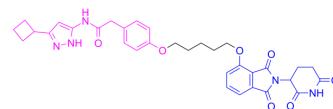
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PROTAC CDK9 Degrader-1

Cat. No.:	HY-103628		
CAS No.:	2118356-96-8		
Molecular Formula:	C ₃₃ H ₃₅ N ₅ O ₇		
Molecular Weight:	613.66		
Target:	PROTACs; CDK		
Pathway:	PROTAC; Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 104 mg/mL (169.47 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.6296 mL	8.1478 mL	16.2957 mL
	5 mM		0.3259 mL	1.6296 mL	3.2591 mL
	10 mM		0.1630 mL	0.8148 mL	1.6296 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (4.07 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (4.07 mM); Clear solution

BIOLOGICAL ACTIVITY

Description	PROTAC CDK9 Degrader-1 is a PROTAC connected by ligands for Cereblon and CDK as a selective CDK9 degrader.
IC ₅₀ & Target	CDK9
In Vitro	PROTAC CDK9 Degrader-1 (Compound 3; 2.5-20 μM; 6 hours) degrades CDK9 in a dose dependent manner in HCT116 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. Western Blot Analysis ^[1]

Cell Line:	HCT116 cells
Concentration:	2.5, 5, 10, and 20μM
Incubation Time:	6 hours
Result:	Degraded CDK9 in a dose dependent manner.

CUSTOMER VALIDATION

- Nature. 2024 Mar 13.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Robb CM, et al. Chemically induced degradation of CDK9 by a proteolysis targeting chimera (PROTAC). Chem Commun (Camb). 2017 Jul 4;53(54):7577-7580.

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

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