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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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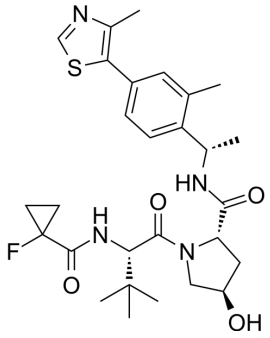
VHL-IN-1

Cat. No.:	HY-156106
CAS No.:	3033117-53-9
Molecular Formula:	$C_{28}H_{37}FN_4O_4S$
Molecular Weight:	544.68
Target:	PROTACs; Ligands for E3 Ligase; HIF/HIF Prolyl-Hydroxylase
Pathway:	PROTAC; Metabolic Enzyme/Protease
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 (183.59 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.8359 mL	9.1797 mL	18.3594 mL
	5 mM	0.3672 mL	1.8359 mL	3.6719 mL
	10 mM	0.1836 mL	0.9180 mL	1.8359 mL

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

BIOLOGICAL ACTIVITY

Description

VHL-IN-1 (compound 30) is a ubiquitin E3 ligase von Hippel-Lindau (VHL) inhibitor (dissociation constant Kd=37 nM) that stabilizes and induces HIF-1α transcriptional activity. VHL-IN-1 has potential as a HIF-1α stabilizer and degrader of proteolytically targeted chimeras (PROTACs)[1].

IC_{50} & Target

Kd=: 37 nM (von Hippel-Lindau (VHL)); HIF-1α[1]

REFERENCES

[1]. Vu LP, et al. Expanding the Structural Diversity at the Phenylene Core of Ligands for the von Hippel-Lindau E3 Ubiquitin Ligase: Development of Highly Potent Hypoxia-Inducible Factor-1α Stabilizers. J Med Chem. 2023 Sep 14.. .

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

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