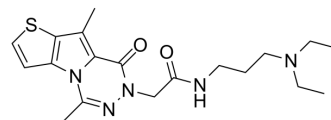


NV03

Cat. No.:	HY-125292
CAS No.:	2448341-58-8
Molecular Formula:	C ₁₉ H ₂₇ N ₅ O ₂ S
Molecular Weight:	389.51
Target:	Histone Methyltransferase; Ligands for E3 Ligase
Pathway:	Epigenetics; PROTAC
Storage:	4°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 : 33.33 mg/mL (85.57 mM); ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5673 mL	12.8366 mL	25.6733 mL
	5 mM	0.5135 mL	2.5673 mL	5.1347 mL
	10 mM	0.2567 mL	1.2837 mL	2.5673 mL

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

BIOLOGICAL ACTIVITY

Description

NV03 is a potent and selective antagonist of UHRF1 (Ubiquitin-like with PHD and RING finger domains 1)- H3K9me3 interaction by binding to UHRF1 tandem tudor domain, with a K_d of 2.4 μM. NV03 has anticancer activity^[1].

IC₅₀ & Target

UHRF1, H3K9me3^[1]

REFERENCES

[1]. Senisterra G, et al. Discovery of Small-Molecule Antagonists of the H3K9me3 Binding to UHRF1 Tandem Tudor Domain. SLAS Discov. 2018 Oct;23(9):930-940.

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

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