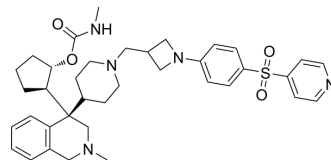


M89

Cat. No.:	HY-128347		
CAS No.:	2363165-42-6		
Molecular Formula:	C ₃₇ H ₄₇ N ₅ O ₄ S		
Molecular Weight:	657.87		
Target:	Epigenetic Reader Domain		
Pathway:	Epigenetics		
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 : 7.35 mg/mL (11.17 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.5201 mL	7.6003 mL	15.2006 mL
5 mM	0.3040 mL	1.5201 mL	3.0401 mL
10 mM	0.1520 mL	0.7600 mL	1.5201 mL

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

BIOLOGICAL ACTIVITY

Description

M-89 is a highly potent and specific menin inhibitor, with a K_d of 1.4 nM for binding to menin. M-89 inhibits the menin-mixed lineage leukemia (Menin-MLL) protein-protein interaction and has potential to treat MLL leukemia^[1].

IC₅₀ & Target

K_d: 1.4 nM (menin)^[1].

REFERENCES

[1]. Aguilar A, et al. Structure-Based Discovery of M-89 as a Highly Potent Inhibitor of the Menin-Mixed Lineage Leukemia (Menin-MLL) Protein-Protein Interaction. J Med Chem. 2019 Jul 11;62(13):6015-6034.

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

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