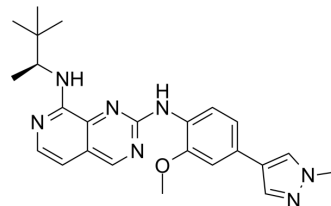


Mps1-IN-7

Cat. No.:	HY-12862		
CAS No.:	1578244-34-4		
Molecular Formula:	C ₂₄ H ₂₉ N ₇ O		
Molecular Weight:	431.53		
Target:	Mps1		
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (57.93 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3173 mL	11.5867 mL	23.1734 mL
	5 mM	0.4635 mL	2.3173 mL	4.6347 mL
	10 mM	0.2317 mL	1.1587 mL	2.3173 mL

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

BIOLOGICAL ACTIVITY

Description

Mps1-IN-7 is a potent MPS1 inhibitor (IC₅₀ of 0.020 μM) over JNK1 and JNK2 (JNK1 IC₅₀= 0.11 μM, JNK2 IC₅₀=0.22 μM). Mps1-IN-7 inhibit SW620, CAL51, Miapaca-2, RMG1 cell growth with GI₅₀ values of 0.065, 0.068, 0.25, and 0.110 μM, respectively^[1].

IC₅₀ & Target

IC₅₀: 0.020 μM (MSP1)^[1]

REFERENCES

[1]. Paolo Innocenti, et al. Rapid Discovery of Pyrido[3,4-d]pyrimidine Inhibitors of Monopolar Spindle Kinase 1 (MPS1) Using a Structure-Based Hybridization Approach. J Med Chem. 2016 Apr 28;59(8):3671-88

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