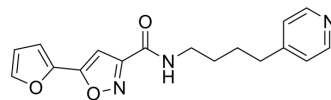


HDAC-IN-55

Cat. No.:	HY-153607		
CAS No.:	1268674-16-3		
Molecular Formula:	C ₁₇ H ₁₇ N ₃ O ₃		
Molecular Weight:	311.34		
Target:	Others		
Pathway:	Others		
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 : 100 mg/mL (321.19 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.2119 mL	16.0596 mL	32.1192 mL
	5 mM	0.6424 mL	3.2119 mL	6.4238 mL
	10 mM	0.3212 mL	1.6060 mL	3.2119 mL

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

BIOLOGICAL ACTIVITY

Description

HDAC-IN-55(8j) is a small molecular compound that can increase the expression of E-cadherin and inhibit the proliferation of cancer cells^[1].

In Vitro

HDAC-IN-55(8j) acts on SW620 cell line and H520 cell line with the EC₅₀ values of 4.47 and 1.61 μM, respectively^[1]. HDAC-IN-55(8j) (10 μM, 24 h) can increase the expression of E-cadherin in SW620 cells and inhibit the proliferation of SW620 cells^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sydney L Stoops, et al. Identification and optimization of small molecules that restore E-cadherin expression and reduce invasion in colorectal carcinoma cells. ACS Chem Biol. 2011 May 20;6(5):452-65.

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

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