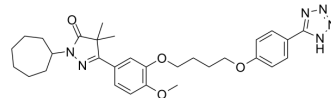


DNMT3A-IN-1

Cat. No.:	HY-144433		
CAS No.:	1403598-56-0		
Molecular Formula:	C ₃₀ H ₃₈ N ₆ O ₄		
Molecular Weight:	546.66		
Target:	DNA Methyltransferase		
Pathway:	Epigenetics		
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 (182.93 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.8293 mL	9.1465 mL	18.2929 mL
5 mM	0.3659 mL	1.8293 mL	3.6586 mL
10 mM	0.1829 mL	0.9146 mL	1.8293 mL

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

BIOLOGICAL ACTIVITY

Description

DNMT3A-IN-1 is a potent and selective DNMT3A inhibitor. DNMT3A-IN-1 shows inhibitor activities against DNMT3A with k_i values range from 9.16-18.85 μ M (AdoMet) and 11.37-23.34 μ M (poly dl-dC) [1].

IC₅₀ & Target

DNMT3A

REFERENCES

[1]. Huang S, et al. A novel class of selective non-nucleoside inhibitors of human DNA methyltransferase 3A. *Bioorg Med Chem Lett.* 2021; 40:127908.

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

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