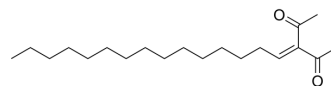


KAT modulator-1

Cat. No.:	HY-153768		
CAS No.:	1314006-43-3		
Molecular Formula:	C ₂₀ H ₃₆ O ₂		
Molecular Weight:	308.5		
Target:	Histone Acetyltransferase		
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 (324.15 mM; ultrasonic and warming and heat to 80°C)

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		3.2415 mL	16.2075 mL	32.4149 mL
	5 mM		0.6483 mL	3.2415 mL	6.4830 mL
	10 mM		0.3241 mL	1.6207 mL	3.2415 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 2.5 mg/mL (8.10 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (8.10 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

KAT modulator-1 (Compound 3) is a KAT modulator. KAT modulator-1 can interact with p300 full-length but not with the catalytic domain. KAT modulator-1 can be used for epigenetics research^[1].

In Vitro

KAT modulator-1 (Compound 3) (50 μM) inhibits recombinant acetyltransferase enzymes KAT3A by 79-83%^[1]. KAT modulator-1 (15 and 30 μM) reduces H3 acetylation in histone extracts of U937 leukemia cells^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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