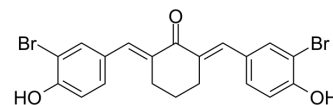


Histone Acetyltransferase Inhibitor II

Cat. No.:	HY-100734		
CAS No.:	932749-62-7		
Molecular Formula:	C ₂₀ H ₁₆ Br ₂ O ₃		
Molecular Weight:	464.15		
Target:	Histone Acetyltransferase		
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 : ≥ 30 mg/mL (64.63 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.1545 mL	10.7724 mL	21.5448 mL
	5 mM	0.4309 mL	2.1545 mL	4.3090 mL
	10 mM	0.2154 mL	1.0772 mL	2.1545 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (5.39 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Histone Acetyltransferase Inhibitor II (compound 2c) is a potent, selective and cell permeable p300 histone acetyltransferase inhibitor, with an IC₅₀ of 5 μM. Histone Acetyltransferase Inhibitor II shows anti-acetylase activity in mammalian cells^[1].

IC₅₀ & Target

IC₅₀ 5 μM (p300 histone acetyltransferase)^[1]

In Vitro

Histone Acetyltransferase Inhibitor II (20-40 μM) decreases the levels of H3 acetylation in HeLa-H2B-EYFP 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