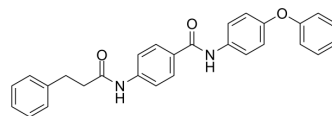


SB-429201

Cat. No.:	HY-119017		
CAS No.:	1027971-34-1		
Molecular Formula:	C ₂₈ H ₂₄ N ₂ O ₃		
Molecular Weight:	436.5		
Target:	HDAC		
Pathway:	Cell Cycle/DNA Damage; 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 (229.10 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2910 mL	11.4548 mL	22.9095 mL
	5 mM	0.4582 mL	2.2910 mL	4.5819 mL
	10 mM	0.2291 mL	1.1455 mL	2.2910 mL

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

BIOLOGICAL ACTIVITY

Description

SB-429201 is a potent and selective HDAC1 (IC₅₀~1.5 μM). SB-429201 displays at least a 20-fold preference for HDAC1 inhibition over HDAC3 and HDAC8^{[1][2]}.

IC₅₀ & Target

HDAC3
1.5 μM (IC₅₀)

REFERENCES

[1]. Bieliauskas AV, Pflum MK. Isoform-selective histone deacetylase inhibitors. Chem Soc Rev. 2008;37(7):1402-1413.

[2]. Hu E, et al. Identification of novel isoform-selective inhibitors within class I histone deacetylases. J Pharmacol Exp Ther. 2003;307(2):720-728.

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