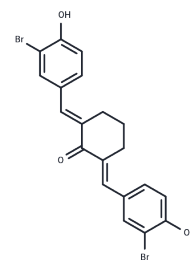


Histone Acetyltransferase Inhibitor II

Chemical Properties

CAS No. : 932749-62-7
 Formula: C₂₀H₁₆Br₂O₃
 Molecular Weight: 464.15
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	Histone Acetyltransferase Inhibitor II is a selective and cell permeable inhibitor of p300 histone acetyltransferase (IC ₅₀ : 5 μM).with anti-acetylase activity in mammalian cells.
Targets(IC50)	Epigenetic Reader Domain,Histone Acetyltransferase
In vitro	Histone Acetyltransferase Inhibitor II (compound 2c) was the most active inhibitor, also showing high specificity for p300 as compared to other histone acetyltransferases. Most notably, 2c showed anti-acetylase activity in mammalian cells.

Solubility Information

Solubility	DMSO: 30 mg/mL (64.63 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.31 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1545 mL	10.7724 mL	21.5448 mL
5 mM	0.4309 mL	2.1545 mL	4.309 mL
10 mM	0.2154 mL	1.0772 mL	2.1545 mL
50 mM	0.0431 mL	0.2154 mL	0.4309 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Costi R, et al. Cinnamoyl compounds as simple molecules that inhibit p300 histone acetyltransferase. *J Med Chem.* 2007 Apr 19;50(8):1973-7. Epub 2007 Mar 10.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481