

## CBP/p300-IN-5

## Chemical Properties

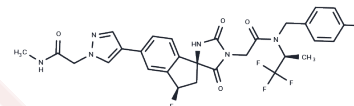
CAS No. : 1889284-33-6

Formula: C<sub>29</sub>H<sub>27</sub>F<sub>5</sub>N<sub>6</sub>O<sub>4</sub>

Molecular Weight: 618.55

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	P300/CBP-IN-5 is a potent inhibitor of p300/CBP histone acetyltransferase (IC <sub>50</sub> of 18.8 nM).
Targets(IC <sub>50</sub> )	Epigenetic Reader Domain,Histone Acetyltransferase
In vitro	P300/CBP-IN-5 inhibits H3K27Ac with an IC <sub>50</sub> value of 4.6 nM in PC-3 cells,P300/CBP-IN-5 inhibits p300 LnCap-FGC cells proliferation with an IC <sub>50</sub> of 14.8 nM.[1].
In vivo	Administration of P300/CBP-IN-5 (7.5 mg/kg/day) is initiated at the time of size match.? P300/CBP-IN-5 induces significant tumor growth inhibition in multiple xenograft tumor models (the tumor growth inhibition of 62% in SuDHL-8 xenograft tumor model;?48% in 22RV1 xenograft tumor model)[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6167 mL	8.0834 mL	16.1668 mL
5 mM	0.3233 mL	1.6167 mL	3.2334 mL
10 mM	0.1617 mL	0.8083 mL	1.6167 mL
50 mM	0.0323 mL	0.1617 mL	0.3233 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

Michael Michaelides, et al. Spirocyclic hat inhibitors and methods for their use. WO2016044770A1.

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