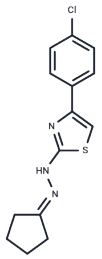
Data Sheet (Cat.No.T8344)

TargetMol

CPTH2

Chemical Properties



CAS No. : 357649-93-5

Formula: C14H14ClN3S

Molecular Weight: 291.8

Storage: Keep away from moisture,Store at low temperature
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	CPTH2 is a histone acetyltransferase inhibitor modulating Gcn5 network.
Targets(IC50)	Apoptosis,Histone Acetyltransferase
In vitro	CPTH2 decreases cell viability, adhesion, and invasiveness in ccRCC cell line 786-O. It shows preferential inhibition for KAT3B-p300 with hypoacetilating effects on histone H3 at specific H3-K18. Immunohistochemical analysis of 70 ccRCC tumor tissues compared with peritumoral normal epithelium showed a statistical significant reduction of p300/H3AcK18 paralleled by an increase of H3AcK14 in G1 grade and an opposed trend during tumor progression to worst grades[1].

Solubility Information

Solubility	DMSO: 120 mg/mL (411.24 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.427 mL	17.135 mL	34.270 mL
5 mM	0.6854 mL	3.427 mL	6.854 mL
10 mM	0.3427 mL	1.7135 mL	3.427 mL
50 mM	0.0685 mL	0.3427 mL	0.6854 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

Cocco E, et al. KAT3B-p300 and H3AcK18/H3AcK14 levels are prognostic markers for kidney ccRCC tumoraggressiveness and target of KAT inhibitor CPTH2. Clin Epigenetics. 2018 Apr 4;10:44.
Thevis M , Sch?Nzer W . Emerging drugs affecting skeletal muscle function and mitochondrial biogenesis - Potential implications for sports drug testing programs[J]. Rapid Communications in Mass Spectrometry, 2016, 30 (5):635-651.

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