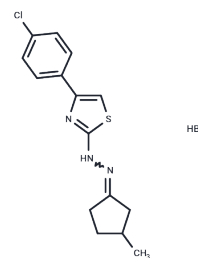


CPTH6 hydrobromide

Chemical Properties

CAS No. :	2321332-57-2
Formula:	C ₁₅ H ₁₆ ClN ₃ S·HBr
Molecular Weight:	386.7
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	CPTH6, a thiazole derivative, selectively inhibits the lysine acetyltransferase activity of Gcn5 and pCAF without affecting p300 or CBP. It effectively blocks the acetylation of H3/H4 histones and α -tubulin in various leukemia cell lines, leading to reduced cell viability by arresting the cell cycle in the G0/G1 phase and inducing apoptosis. Additionally, CPTH6 disrupts autophagy across several tumor cell lines, primarily by interfering with ATG7-mediated autophagosomal membrane elongation.
Targets(IC50)	Apoptosis,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.586 mL	12.9299 mL	25.8598 mL
5 mM	0.5172 mL	2.586 mL	5.172 mL
10 mM	0.2586 mL	1.293 mL	2.586 mL
50 mM	0.0517 mL	0.2586 mL	0.5172 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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