MOLNOVA
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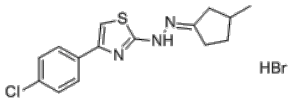
Datasheet (Version 1.0)

Product Name	:	CPTH6 hydrobromide
Synonyms	:	——
Cat No.	:	M17047
CAS Number	:	
Molecular Formula	:	C15H17BrClN3S
Formula Weight	:	386.74
Chemical Name	:	(E)-4-(4-chlorophenyl)-2-(2-(3-methylcyclopentylidene)hydrazinyl)thiazole hydrobromide
Description	:	CPTH6 hydrobromide is a thiazole derivative that can reduce histone acetylation and histone acetyltransferase (HAT) activity in human leukemia cells, CPTH6 is a specific Gcn5/pCAF inhibitor; CPTH6 exerts a significant inhibitory effect on HAT activity of both pCAF and Gcn5, whereas it does not affect p300 and CBP HAT activity; decrease acetylation of histone H3 specifically at lysine 18 in a dose-dependent fashion, does not affect H3 histone methylation at lysines 9 and 4; induces cell-cycle perturbation and apoptosis in AML cells, induces differentiation in AML and neuroblastoma cells; impairs autophagy and reduces autophagosome turnover through an impairment of their degradation pathway.
Pathway	:	Chromatin/Epigenetic
Target	:	HAT
Receptor	:	HAT
Solubility	:	——
SMILES	:	——
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	



1. Trisciuoglio D, et al. Clin Cancer Res. 2012 Jan 15;18(2):475-86.| 2. Ragazzoni Y, et al. Cell Death Dis. 2013 Mar 7;4:e524.| 3. Di Martile M, et al. Oncotarget. 2016 Mar 8;7(10):11332-48.| 4. Chimenti F, et al. J Med Chem. 2009 Jan 22;52(2):530-6.