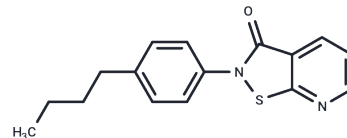


NSC 694623

Chemical Properties

CAS No. : 907957-34-0
 Formula: C₁₆H₁₆N₂O₂
 Molecular Weight: 284.38
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	NSC 694623 is a potent histone acetyltransferase (HAT) inhibitor with IC ₅₀ of 15.9 μM against recombinant HAT p300/CBP associated factor (PCAF). NSC 694623 shows anti-proliferative activity against some cancer cells, which can be used for anti-cancer research.
Targets(IC ₅₀)	Histone Acetyltransferase
In vitro	NSC 694623 exhibits antiproliferative activity against SK-N-SH cells, with an IC ₅₀ value of 8.93 μM. Additionally, it inhibits 21% of HCT116 cells at a concentration of 25 μM.[1]

Solubility Information

Solubility	DMSO: 112.5 mg/mL (395.6 mM), Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5164 mL	17.5821 mL	35.1642 mL
5 mM	0.7033 mL	3.5164 mL	7.0328 mL
10 mM	0.3516 mL	1.7582 mL	3.5164 mL
50 mM	0.0703 mL	0.3516 mL	0.7033 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.

Reference

Furdas SD, et al. Synthesis and biological testing of novel pyridothiazolones as histone acetyltransferase inhibitors. Bioorg Med Chem. 2011;19(12):3678-3689.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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