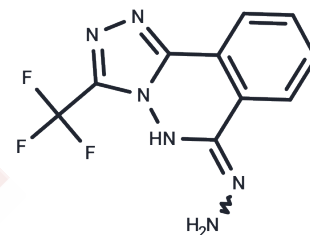


PCAF-IN-2

Chemical Properties

CAS No. :	56173-05-8
Formula:	C ₁₀ H ₇ F ₃ N ₆
Molecular Weight:	268.2
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	PCAF-IN-2 is an epigenetic modulator and a potent PCAF (KAT2B) inhibitor. It regulates gene transcription via histone acetylation, used for cancer and inflammation research.
Targets(IC50)	Epigenetic Reader Domain
In vitro	PCAF-IN-2 (10 uM) induces apoptosis and triggers G2/M arrest in HePG2 cells, blocking survival signaling [1].

Solubility Information

Solubility	DMSO: 6.6 mg/mL (24.61 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7286 mL	18.6428 mL	37.2856 mL
5 mM	0.7457 mL	3.7286 mL	7.4571 mL
10 mM	0.3729 mL	1.8643 mL	3.7286 mL
50 mM	0.0746 mL	0.3729 mL	0.7457 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

Hong Y, et al., Quantitation, visualization, and monitoring of conformational transitions of human serum albumin by a tetraphenylethene derivative with aggregation-induced emission characteristics. Anal Chem. 2010 Aug 15;82(16):7035-43.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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