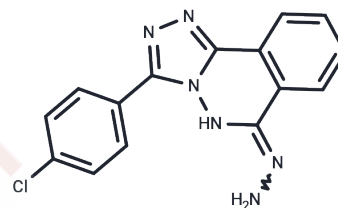


## PCAF-IN-1

## Chemical Properties

CAS No. :	2439194-86-0
Formula:	C <sub>15</sub> H <sub>11</sub> ClN <sub>6</sub>
Molecular Weight:	310.74
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-1 is a highly selective PCAF (p300/CBP-associated factor) inhibitor with potential anti-tumor, anti-inflammatory, and anti-heart disease effects. Inhibition of PCAF attenuates cardiac remodeling after myocardial infarction, reduces polarization of M1-type macrophages, and attenuates autoimmune arthritis.
Targets(IC50)	Others,Epigenetic Reader Domain,Histone Acetyltransferase
In vitro	<b>Methods:</b> Hepatocellular carcinoma (HePG-2), breast cancer (MCF-7), prostate cancer (PC3), and colorectal cancer (HCT-116) cells were treated with PCAF-IN-1 (10 μM, 72 hours), and cell viability was measured by MTT. <b>Results:</b> PCAF-IN-1 showed the strongest antitumor activity against human cancer cell lines. [1].

## Solubility Information

Solubility	DMSO: 0.1 mg/mL (0.32 mM),Sonication and heating 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	3.2181 mL	16.0906 mL	32.1812 mL
5 mM	0.6436 mL	3.2181 mL	6.4362 mL
10 mM	0.3218 mL	1.6091 mL	3.2181 mL
50 mM	0.0644 mL	0.3218 mL	0.6436 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

Turky A, et al. Design, synthesis, and antitumor activity of novel compounds based on 1,2,4-triazolophthalazine scaffold: Apoptosis-inductive and PCAF-inhibitory effects. Bioorg Chem. 2020 Aug;101:104019.

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