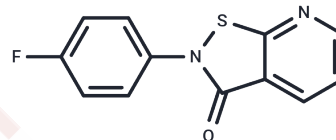


PU139

## Chemical Properties

CAS No. : 158093-65-3  
 Formula: C<sub>12</sub>H<sub>7</sub>FN<sub>2</sub>O<sub>2</sub>  
 Molecular Weight: 246.26  
 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	PU139 is a novel inhibitor of histone acetyltransferase (HAT).
Targets(IC50)	Histone Acetyltransferase
In vitro	PU139 inhibits cell growth with GI50s of <60 μM (A431, A549, A2780, HCT116, HepG2, SW480, U-87MG and SK-N-SH and MCF7 cells). PU139 (0-100 μM; 24-72 hours) triggers caspase-independent cell death in the neuroblastoma cell line SK-N-SH[1].
In vivo	PU139 (25 mg/kg; i.p.) enhances the growth-inhibitory effects of the chemotherapeutic agent Doxorubicin.

## Solubility Information

Solubility	DMSO: 1 mg/mL (4.06 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	4.0607 mL	20.3037 mL	40.6075 mL
5 mM	0.8121 mL	4.0607 mL	8.1215 mL
10 mM	0.4061 mL	2.0304 mL	4.0607 mL
50 mM	0.0812 mL	0.4061 mL	0.8121 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

Gajer JM, et al. Histone acetyltransferase inhibitors block neuroblastoma cell growth in vivo. *Oncogenesis*. 2015 Feb 9;4:e137.

Carneiro VC, et al. Epigenetic changes modulate schistosome egg formation and are a novel target for reducing transmission of schistosomiasis. *PLoS Pathog*. 2014 May 8;10(5):e1004116.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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