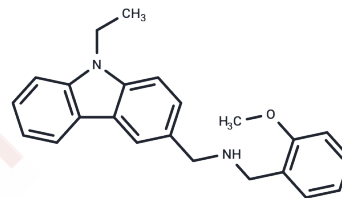


HLCL-61

## Chemical Properties

CAS No. : 586395-74-6  
 Formula: C<sub>23</sub>H<sub>24</sub>N<sub>2</sub>O  
 Molecular Weight: 344.45  
 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	HLCL-61 is a premier small-molecule inhibitor of protein arginine methyltransferase 5 (PRMT5).
Targets(IC50)	Histone Methyltransferase
In vitro	HLCL-61, administered in concentrations ranging from 1-100 $\mu$ M over 24-72 hours, exhibits a dose-dependent reduction in cell growth, achieving IC <sub>50</sub> values of 14.12 $\mu$ M for MV4-11 cells, 16.74 $\mu$ M for THP-1 cells, 6.3 $\mu$ M for FLT3-WT blast, and 8.72 $\mu$ M for FLT3-ITD blast. Furthermore, HLCL-61 effectively inhibits the symmetric arginine dimethylation (me <sub>2</sub> ) of histones H3 and H4 in AML samples, with significant activity noted at 12 hours post-treatment and sustained effects observed up to 48 hours.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9032 mL	14.5159 mL	29.0318 mL
5 mM	0.5806 mL	2.9032 mL	5.8064 mL
10 mM	0.2903 mL	1.4516 mL	2.9032 mL
50 mM	0.0581 mL	0.2903 mL	0.5806 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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