

BAY-6035

## Chemical Properties

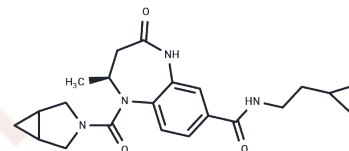
CAS No. : 2247890-13-5

Formula: C<sub>22</sub>H<sub>28</sub>N<sub>4</sub>O<sub>3</sub>

Molecular Weight: 396.48

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	BAY-6035 is an inhibitor of SET and MYND domain-containing protein 3 (SMYD3). BAY-6035 has more than 100-fold selectivity over other histone methyltransferases.
Targets(IC50)	MEK,Histone Methyltransferase
In vitro	BAY-6035 inhibits methylation of MEKK2 peptide in a cell-free assay and in cells with IC50s of 88 and 70 nM, respectively[1].

## Solubility Information

Solubility	DMSO: 100 mg/mL (252.22 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	2.5222 mL	12.611 mL	25.222 mL
5 mM	0.5044 mL	2.5222 mL	5.0444 mL
10 mM	0.2522 mL	1.2611 mL	2.5222 mL
50 mM	0.0504 mL	0.2522 mL	0.5044 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

Edoardo F, et, al. Small-molecule inhibitors of lysine methyltransferases SMYD2 and SMYD3: current trends. Future Med Chem. 2019 Apr; 11(8): 901-921.

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