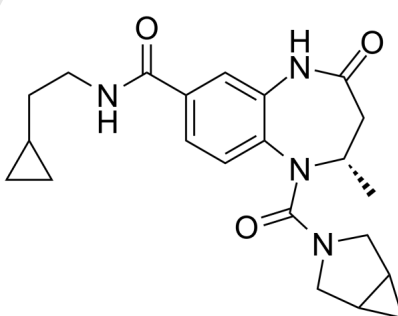


## Certificate of Analysis

Catalog Number	BP13702
Product Name	BAY-6035

## Physical and Chemical Properties

CAS No.	2247890-13-5
Chemical Formula	C <sub>22</sub> H <sub>28</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight	396.5
Solubility	DMSO: 100 mg/mL (239.61 mM), Need ultrasonic
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

## Product Information

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	SMYD3:88 nM (IC50)

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.
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## Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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