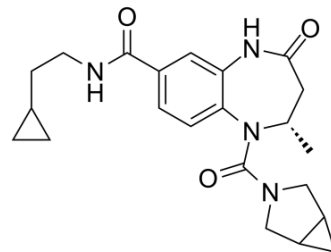


BAY-6035

Cat. No.:	HY-112080
CAS No.:	2247890-13-5
Molecular Formula:	C ₂₂ H ₂₈ N ₄ O ₃
Molecular Weight:	396.48
Target:	Histone Methyltransferase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BAY-6035 is a potent, selective and substrate-competitive inhibitor of SMYD3. BAY-6035 inhibits methylation of MEKK2 peptide with an IC ₅₀ of 88 nM ^[1] .
IC ₅₀ & Target	SMYD3 88 nM (IC ₅₀)
In Vitro	BAY-6035 inhibits in vitro methylation of MEKK2 peptide with an IC ₅₀ of 88 nM and has more than 100-fold selectivity over other histone methyltransferases ^[1] . BAY-6035 inhibits the methylation of MEKK2 in cells with an IC ₅₀ of 70 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

Caution: Product has not been fully validated for medical applications. For research use only.

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