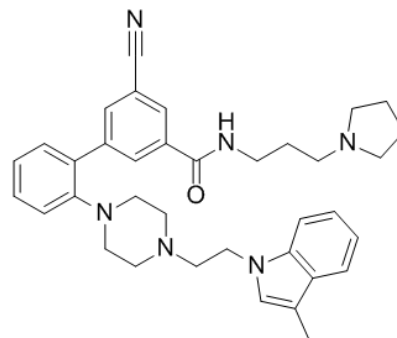


Product Name : LLY-507
Cat. No. : PC-45598
CAS No. : 1793053-37-8
Molecular Formula : C₃₆H₄₂N₆O
Molecular Weight : 574.7583
Target : Histone Methyltransferase (HMTase)
Solubility : DMSO: 15 mg/mL



Biological Activity

LLY-507 is a potent, selective and cell-active inhibitor of **SMYD2** (IC₅₀<15 nM).

LLY-507 displays >100-fold selective over a broad range of methyltransferase and non-methyltransferase targets.

LLY-507 inhibits SMYD2-mediated methylation of p53 Lys370 and suppresses proliferation of several esophageal, liver, and breast cancer cell lines in a dose-dependent manner (IC₅₀=1.5-6 μM).

References

Nguyen H, et al. *J Biol Chem*. 2015 May 29;290(22):13641-53.

Olsen JB, et al. *Mol Cell Proteomics*. 2016 Mar;15(3):892-905.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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