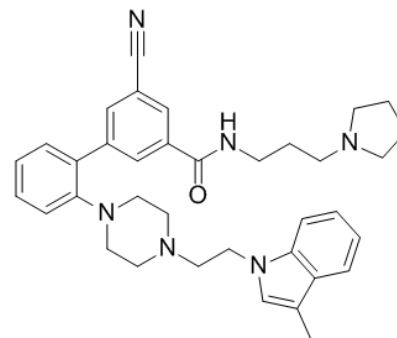


**Product Name** : LLY-507  
**Cat. No.** : PC-45598  
**CAS No.** : 1793053-37-8  
**Molecular Formula** : C<sub>36</sub>H<sub>42</sub>N<sub>6</sub>O  
**Molecular Weight** : 574.7583  
**Target** : Histone Methyltransferase (HMTase)  
**Solubility** : DMSO: 15 mg/mL



## Biological Activity

LLY-507 is a potent, selective and cell-active inhibitor of **SMYD2** (IC<sub>50</sub><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 (IC<sub>50</sub>=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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