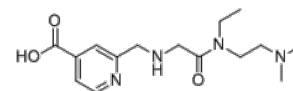


**Product Name** : KDM5-C49  
**Cat. No.** : PC-62294  
**CAS No.** : 1596348-16-1  
**Molecular Formula** : C<sub>15</sub>H<sub>24</sub>N<sub>4</sub>O<sub>3</sub>  
**Molecular Weight** : 308.382  
**Target** : Histone Demethylase  
**Solubility** : 10 mM in DMSO



## Biological Activity

KDM5-C49 is a potent, selective **KDM5** inhibitor with IC<sub>50</sub> of 25, 30 and 59 nM for KDM5A, B and C, respectively. KDM5-C49 displays 25-100-fold selectivity over KDM6B, 2-30-fold selectivity over KDM4 family, but with less cell-permeability.

## References

- Johansson C, et. *Nat Chem Biol*. 2016 Jul;12(7):539-45.  
Horton JR, et al. *Cell Chem Biol*. 2016 Jul 21;23(7):769-81.

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

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