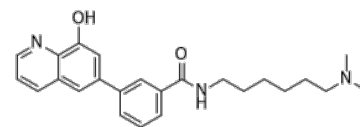


**Product Name** : NCGC00247743  
**Cat. No.** : PC-26949  
**CAS No.** : 1435192-04-3  
**Molecular Formula** : C<sub>24</sub>H<sub>29</sub>N<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 391.52  
**Target** : Histone Demethylase  
**Solubility** : 10 mM in DMSO



### Biological Activity

NCGC00247743 is a selective inhibitor of histone lysine demethylase KDM4/JMJD2s with IC<sub>50</sub> of 10 nM for KDM4B, inhibits LNCaP cell growth with IC<sub>50</sub> in the μM range, shows no or weak activity for KDM5A/JARID1A.

### References

Duan L, et al. KDM4/JMJD2 Histone Demethylase Inhibitors Block Prostate Tumor Growth by Suppressing the Expression of AR and BMYB-Regulated Genes. Chem Biol. 2015 Sep 17;22(9):1185-96.

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

E-mail: tech@probechem.com