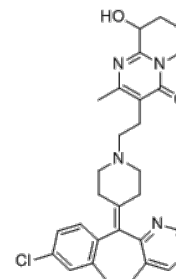


**Product Name** : 5-HT2A antagonist 11c  
**Cat. No.** : PC-21787  
**CAS No.** : 2641482-08-6  
**Molecular Formula** : C<sub>30</sub>H<sub>33</sub>ClN<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 517.07  
**Target** : 5-HT Receptor  
**Solubility** : 10 mM in DMSO



CAS: 2641482-08-6

## Biological Activity

5-HT2A antagonist 11c is a potent, selective, peripheral **5HT2A** antagonist with IC<sub>50</sub> of 14 nM. 5-HT2A antagonist 11c shows good chemical, hepatocyte, and plasma stability, no significant cytotoxicity in five representative mammalian cell lines (VERO, HFL-1, L929, NIH3T3, CHO-K1). 5-HT2A antagonist 11c shows selective inhibition of 5HT2A among other 5-HT subtypes. 5-HT2A antagonist 11c (5 and 10 mpk) daily oral gavage attenuates HFD-induced obesity, MASLD, and metabolic syndrome. 5-HT2A antagonist 11c shows vivo efficacy against CDAHFD-induced liver fibrosis and inflammation C57BL/6 J mice. 5-HT2A antagonist 11c is a novel peripheral 5HT2A antagonist for Metabolic Dysfunction-Associated Steatohepatitis (MASH) and steatosis under clinical investigations.

## References

Haushabhau S Pagire, et al. *Nat Commun.* 2024 Jan 20;15(1):645.

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

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