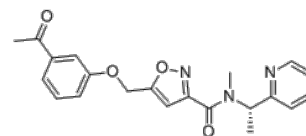


**Product Name** : ML381  
**Cat. No.** : PC-62143  
**CAS No.** : 1623481-80-0  
**Molecular Formula** : C<sub>21</sub>H<sub>21</sub>N<sub>3</sub>O<sub>4</sub>  
**Molecular Weight** : 379.42  
**Target** : mAChR  
**Solubility** : 10 mM in DMSO



## Biological Activity

ML381 (VU0488130) is a highly mAChR subtype selective **M5** orthosteric antagonist with IC<sub>50</sub>/K<sub>i</sub> of 450/340 nM for hM5, has no inhibitory activity on hM1-4 (IC<sub>50</sub>>30 uM).

ML381 exhibits good DMPK properties and CNS penetration (B:P ratio of 0.58) to support both in vitro and in vivo studies.

## References

Gentry PR, et al. *ChemMedChem*. 2014 Aug;9(8):1677-82.

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

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