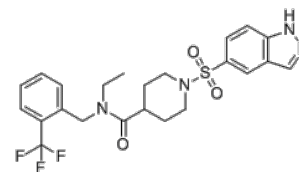


**Product Name** : VU0481443  
**Cat. No.** : PC-62140  
**CAS No.** : 1627138-52-6  
**Molecular Formula** : C<sub>23</sub>H<sub>25</sub>F<sub>3</sub>N<sub>4</sub>O<sub>3</sub>S  
**Molecular Weight** : 494.533  
**Target** : mAChR  
**Solubility** : 10 mM in DMSO



## Biological Activity

VU0481443 (ML380) is a potent, selective and CNS penetrant **M5** positive allosteric modulator (PAM) with EC<sub>50</sub> of 190 nM for hM5.

VU0481443 displays >10-fold selectivity over M1 and M3, >100-fold selectivity over M2 and M4.

VU0481443 is a useful in vivo tool compound.

## References

Gentry PR, et al. Probe Reports from the NIH Molecular Libraries Program [Internet].

Berizzi AE, et al. *Mol Pharmacol*. 2016 Oct;90(4):427-36.

Gentry PR, et al. *J Med Chem*. 2014 Sep 25;57(18):7804-10.

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

E-mail: tech@probechem.com