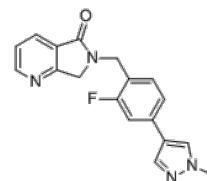


**Product Name** : VU0453595  
**Cat. No.** : PC-35478  
**CAS No.** : 1432436-13-9  
**Molecular Formula** : C<sub>18</sub>H<sub>15</sub>FN<sub>4</sub>O  
**Molecular Weight** : 322.343  
**Target** : mAChR  
**Solubility** : 10 mM in DMSO



## Biological Activity

VU0453595 (VU453595) is a potent, selective **M1 positive allosteric modulator (PAM)** with EC<sub>50</sub> of 3.2 μM (rM1). VU0453595 reverses deficits in social interaction and cognitive function observed in rodent model of schizophrenia.

## References

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Panarese JD, et al. *Bioorg Med Chem Lett*. 2016 Aug 1;26(15):3822-5.  
Lv X, et al. *Neuropharmacology*. 2017 May 15;118:209-222.  
Moran SP, et al. *Neuropsychopharmacology*. 2018 Jul;43(8):1763-1771.

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

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