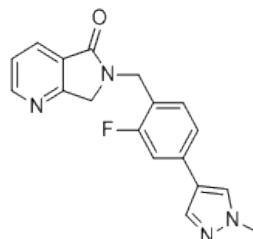


## Data Sheet

[WWW.UREIKO-CHEM.COM](http://WWW.UREIKO-CHEM.COM)

Global Supplier of Chemical Probes, Inhibitors & Agonists

**Product Name** :VU0453595  
**Cat.No.** :URK-V611  
**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** :



### Biological Activity

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

### References

1. Ghoshal A, et al. Neuropsychopharmacology. 2016 Jan;41(2):598-610.
2. Panarese JD, et al. Bioorg Med Chem Lett. 2016 Aug 1;26(15):3822-5.
3. Lv X, et al. Neuropharmacology. 2017 May 15;118:209-222.
4. Moran SP, et al. Neuropsychopharmacology. 2018 Jul;43(8):1763-1771.

*Note: All products of Ureiko are only used for scientific research or drug certificate declaration, and we do not provide products and services for any personal use!*

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

[JACK@UREIKO-CHEM.COM](mailto:JACK@UREIKO-CHEM.COM)