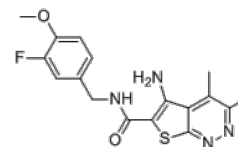


**Product Name** : VU0467485  
**Cat. No.** : PC-35946  
**CAS No.** : 1451994-10-7  
**Molecular Formula** : C<sub>17</sub>H<sub>17</sub>FN<sub>4</sub>O<sub>2</sub>S  
**Molecular Weight** : 360.407  
**Target** : mAChR  
**Solubility** : 10 mM in DMSO



## Biological Activity

VU0467485 (VU-0467485, AZ13713945) is potent, selective, and orally bioavailable muscarinic acetylcholine receptor 4 (M<sub>4</sub>) positive allosteric modulator with EC<sub>50</sub> of 78.8 nM (hM<sub>4</sub>).

VU0467485 possesses robust in vitro M<sub>4</sub> PAM potency across species and in vivo efficacy in preclinical models of schizophrenia.

## References

Wood MR, et al. *ACS Med Chem Lett*. 2016 Dec 16;8(2):233-238.

Melancon BJ, et al. *Bioorg Med Chem Lett*. 2017 Jun 1;27(11):2296-2301.

Deng X, et al. *ChemMedChem*. 2018 Dec 27. doi: 10.1002/cmdc.201800710.

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

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