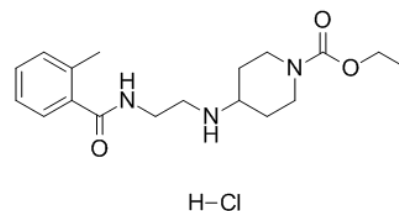


**Product Name** : VU-0357017 hydrochloride  
**Cat. No.** : PC-45705  
**CAS No.** : 1135242-13-5  
**Molecular Formula** : C<sub>18</sub>H<sub>28</sub>ClN<sub>3</sub>O<sub>3</sub>  
**Molecular Weight** : 369.8862  
**Target** : mAChR  
**Solubility** : DMSO: ≥ 33 mg/mL



## Biological Activity

VU-0357017 hydrochloride is a subtype-selective allosteric agonist of **M1 receptor** with EC<sub>50</sub> of 198 nM. VU-0357017 displays good selectivity versus M2-M5 and a large panel of GPCRs, ion channels, and transporters. VU-0357017 shows excellent brain exposure and robust in vivo efficacy in rodent model.

## References

- Lebois EP, et al. *ACS Chem Neurosci*. 2010;1(2):104-121.  
Digby GJ, et al. *J Neurosci*. 2012 Jun 20;32(25):8532-44.  
Digby GJ, et al. *ACS Chem Neurosci*. 2012 Dec 19;3(12):1025-36.

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

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