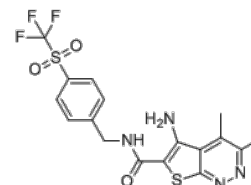


**Product Name** : VU0467154  
**Cat. No.** : PC-35489  
**CAS No.** : 1451993-15-9  
**Molecular Formula** : C<sub>17</sub>H<sub>15</sub>F<sub>3</sub>N<sub>4</sub>O<sub>3</sub>S<sub>2</sub>  
**Molecular Weight** : 444.447  
**Target** : mAChR  
**Solubility** : 10 mM in DMSO



## Biological Activity

VU0467154 (VU 0467154) is a potent, selective M4 mAChR positive allosteric modulator with EC<sub>50</sub> of 17.7 nM. VU0467154 produces a robust dose-dependent reversal of MK-801-induced hyperlocomotion and deficits in preclinical models of associative learning and memory functions, including the touchscreen pairwise visual discrimination task in wild-type mice. VU0467154 also enhances the acquisition of both contextual and cue-mediated fear conditioning.

## References

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Pancani T, et al. Proc Natl Acad Sci U S A. 2015 Nov 10;112(45):14078-83.  
Gould RW, et al. Neuropharmacology. 2016 Mar;102:244-53.  
Foster DJ, et al. Neuron. 2016 Sep 21;91(6):1244-1252.

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

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