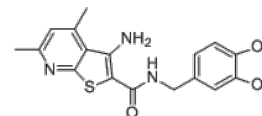


**Product Name** : VU0152099  
**Cat. No.** : PC-62161  
**CAS No.** : 612514-42-8  
**Molecular Formula** : C<sub>18</sub>H<sub>17</sub>N<sub>3</sub>O<sub>3</sub>S  
**Molecular Weight** : 355.412  
**Target** : mAChR  
**Solubility** : 10 mM in DMSO



## Biological Activity

VU0152099 is a potent, selective, CNS-penetrant positive allosteric modulator of **M4 mAChR** with EC<sub>50</sub> of 403 nM. VU0152099 shows no agonist activity but potentiates responses of M(4) to acetylcholine, and is devoid of activity at other mAChR subtypes or at a panel of other GPCRs. VU0152099 reverses amphetamine-induced hyperlocomotion in rats.

## References

Brady AE, et al. *J Pharmacol Exp Ther.* 2008 Dec;327(3):941-53.

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

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