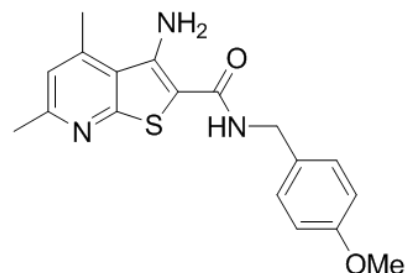


Product Name : VU0152100
Cat. No. : PC-43505
CAS No. : 409351-28-6
Molecular Formula : C₁₈H₁₉N₃O₂S
Molecular Weight :
Target : mAChR
Solubility : 10 mM in DMSO



Biological Activity

VU0152100 (VU152100) is a potent, selective positive allosteric modulator of **M4 mAChR** with EC₅₀ of 0.38 μ M for rat M4. VU0152100 potentiates the M4-mediated calcium response with maximal shifts of 70-fold with 10 μ M in vitro assays.

VU0152100 inhibits behavioral and neurochemical effects of cocaine in vivo, also dose-dependently reverses amphetamine-induced hyperlocomotion in rats and wild-type mice, blocks amphetamine-induced disruption of the acquisition of contextual fear conditioning.

References

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Brady AE, et al. J Pharmacol Exp Ther. 2008 Dec;327(3):941-53.
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Huynh T, et al. J Med Chem. 2013 Oct 24;56(20):8196-200.

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

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