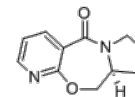


Product Name : Org 26576
Cat. No. : PC-61723
CAS No. : 1026791-61-6
Molecular Formula : C₁₁H₁₂N₂O₂
Molecular Weight : 204.23
Target : iGluR
Solubility : 10 mM in DMSO



Biological Activity

Org 26576 (MK 8777, SCH 900777) is a potent AMPA receptor (**AMPA**) positive allosteric modulator EC₅₀ of 8-16 μM in rat hippocampal primary cultured neurons.

Org 26576 (MK 8777, SCH 900777) potentiates rat hippocampal AMPA receptor responses in an exposure-dependant manner (0.1-10 mg/kg, i.v.).

Org 26576 (MK 8777, SCH 900777) increases BDNF release and enhanced neuronal differentiation and survival.

Org 26576 (MK 8777, SCH 900777) is an antidepressant has been halted due to a failed Phase II trial for major depressive disorder.

References

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Su XW, et al. *Psychopharmacology (Berl)*. 2009 Oct;206(2):215-22.

Bursi R, et al. *Psychopharmacology (Berl)*. 2011 Dec;218(4):713-24.

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

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