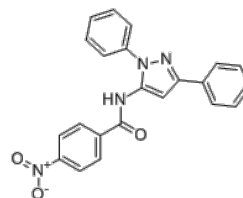


Product Name : VU-29
Cat. No. : PC-62953
CAS No. : 890764-36-0
Molecular Formula : C₂₂H₁₆N₄O₃
Molecular Weight : 384.395
Target : mGluR
Solubility : 10 mM in DMSO



Biological Activity

VU-29 (DPAP) is a potent, selective and allosteric potentiator of rat **mGlu5** receptor with EC₅₀ of 9 nM, displays >50-fold selectivity over mGlu1 and mGlu2 receptor (EC₅₀=557 nM and 1.51 μM).

VU-29 (DPAP) potentiates both DHPG-induced LTP and threshold θ-burst stimulation (TBS)-induced LTP in rat hippocampal slices.

References

Chen Y, et al. Mol Pharmacol. 2007 May;71(5):1389-98.

de Paulis T, et al. J Med Chem. 2006 Jun 1;49(11):3332-44.

Ayala JE, et al. Neuropsychopharmacology. 2009 Aug;34(9):2057-71.

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

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