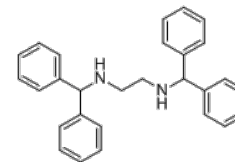


Product Name : AMN 082
Cat. No. : PC-61211
CAS No. : 83027-13-8
Molecular Formula : C₂₈H₂₈N₂
Molecular Weight : 392.546
Target : mGluR
Solubility : 10 mM in DMSO



Biological Activity

AMN 082 (AMN082) is a potent, selective **mGluR7** allosteric agonist, inhibits forskolin-stimulated cAMP accumulation in mGluR7b CHO cells with EC₅₀ of 64 nM.

AMN 082 displays no activating or inhibitory effects at other mGluR subtypes and ionotropic GluRs.

AMN 082 potently inhibits cAMP accumulation and stimulates GTP_{gamma}S binding with EC₅₀ of 64-290 nM.

AMN 082 elevates the plasma stress hormones corticosterone and corticotropin in an mGluR7-dependent fashion in vivo.

References

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Pelkey KA, et al. *Neuropharmacology*. 2007 Jan;52(1):108-17.
Suzuki G, et al. *J Pharmacol Exp Ther*. 2007 Oct;323(1):147-56.
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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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