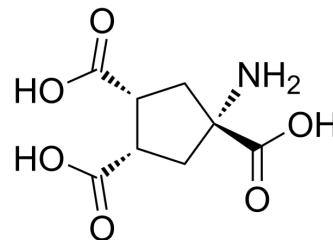


ACPT-II

Cat. No.:	HY-101387A
CAS No.:	195209-04-2
Molecular Formula:	C ₈ H ₁₁ NO ₆
Molecular Weight:	217.18
Target:	mGluR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

ACPT-II is an agonist of group III mGluRs with diverse biological activities including neuroprotective, anticonvulsant, and anxiolytic-like effects^{[1][2][3][4][5]}.

REFERENCES

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- [2]. Domin H, et al. Neuroprotective potential of the group III mGlu receptor agonist ACPT-I in animal models of ischemic stroke: In vitro and in vivo studies. *Neuropharmacology.* 2016 Mar;102:276-94.
- [3]. Domin H, et al. Group III mGlu receptor agonist, ACPT-I, exerts potential neuroprotective effects in vitro and in vivo. *Neurotox Res.* 2014 Jul;26(1):99-113.
- [4]. Chapman AG, et al. Anticonvulsant activity of a mGlu(4alpha) receptor selective agonist, (1S,3R,4S)-1-aminocyclopentane-1,2,4-tricarboxylic acid. *Eur J Pharmacol.* 2001 Jul 20;424(2):107-13.
- [5]. Stachowicz K, et al. The group III mGlu receptor agonist ACPT-I exerts anxiolytic-like but not antidepressant-like effects, mediated by the serotonergic and GABA-ergic systems. *Neuropharmacology.* 2009 Sep;57(3):227-34.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA