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DATASHEET

CPPG

Product overview

Name	CPPG
Cat No	HB0217
Biological action	Antagonist
Purity	>98%
Description	Potent group III mGluR antagonist

Images



Biological Data

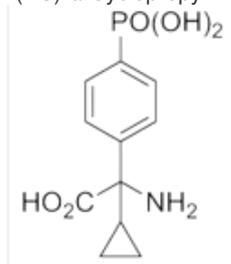
Biological description	Potent mGlu receptor antagonist. Shows 20-fold selectivity for group III compared to group II mGlu receptors (IC_{50} values are 2.2 and 46.3 nM respectively). Less potent antagonist at group I mGlu receptors.
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in NaOH(aq) (100mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	(<i>RS</i>)- α -Cyclopropyl-4-phosphonophenyl glycine
Molecular Weight	271.21
Chemical structure	

Chemical name*(RS)*- α -Cyclopropyl-4-phosphonophenyl glycine**Molecular Formula**C₁₁H₁₄NO₅P**CAS Number**

183364-82-1

PubChem identifier

2878

SMILES

NC(C2CC2)(C(O)=O)C1=CC=C(P(O)(O)=O)C=C1

InChiKey

IGODGTDUQSMDQU-UHFFFAOYSA-N

References

The effects of *(RS)*- α -cyclopropyl-4-phosphonophenylglycine (*(RS)*-CPPG), a potent and selective metabotropic glutamate receptor antagonist.

Toms NJ *et al* (1996) Br J Pharmacol 119(5)**PubMedID** [8922731](#)

Potent antagonists at the L-AP4- and (1S,3S)-ACPD-sensitive presynaptic metabotropic glutamate receptors in the neonatal rat spinal cord.

Jane DE *et al* (1996) Neuropharmacology 35(8)**PubMedID** [9121605](#)

Antagonism of metabotropic glutamate receptor 4 receptors by *(RS)*- α -cyclopropyl-4-phosphonophenylglycine alters the taste of amino acids in rats.

Eschle BK *et al* (2009) Neuroscience 163(4)**PubMedID** [19631258](#)