

Hello Bio Limited
Unit 8D, Dunshaughlin Business Park,
Dunshaughlin, Republic of Ireland

T. +353 51 540 083
F. +44(0) 1179 811 601

customercare@hellobio.com
technicalhelp@hellobio.com

Company Registration No. 642982



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.
-------------------------------	--

Solubility & Handling

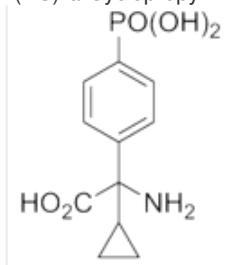
Solubility overview	Soluble in NaOH(aq) (100mM)
Storage instructions	Room temperature
Storage of solutions	Prepare and use solutions on the same day if possible. Store solutions at -20°C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.
Shipping Conditions Important	Stable for ambient temperature shipping. Follow storage instructions on receipt. 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	<input type="text"/>

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 (1*S*,3*S*)-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](#)
