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## DATASHEET

CPPG

### Product overview

|                          |                                   |
|--------------------------|-----------------------------------|
| <b>Name</b>              | CPPG                              |
| <b>Cat No</b>            | HB0217                            |
| <b>Biological action</b> | Antagonist                        |
| <b>Purity</b>            | >98%                              |
| <b>Description</b>       | Potent group III mGluR antagonist |

### Images



### Biological Data

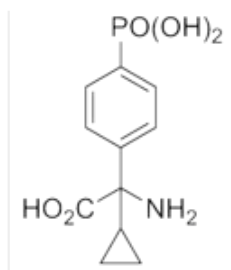
|                               |  |
|-------------------------------|--|
| <b>Biological description</b> | Potent mGlu receptor antagonist. Shows 20-fold selectivity for group III compared to group II mGlu receptors (IC <sub>50</sub> values are 2.2 and 46.3 nM respectively). Less potent antagonist at group I mGlu receptors. |
|-------------------------------|--|

### Solubility & Handling

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

### Chemical Data

|                           |  |
|---------------------------|--|
| <b>Chemical name</b>      | ( <i>RS</i> )- $\alpha$ -Cyclopropyl-4-phosphonophenyl glycine |
| <b>Molecular Weight</b>   | 271.21   |
| <b>Chemical structure</b> |  |



**Molecular Formula**  
**CAS Number**  
**PubChem identifier**  
**SMILES**  
**InChiKey**

C<sub>11</sub>H<sub>14</sub>NO<sub>5</sub>P  
183364-82-1  
2878  
NC(C2CC2)(C(O)=O)C1=CC=C(P(O)(O)=O)C=C1  
IGODGTDUQSMDQU-UHFFFAOYSA-N

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## References

### The effects of (RS)-alpha-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)-alpha-cyclopropyl-4-phosphonophenylglycine alters the taste of amino acids in rats.

Eschle BK *et al* (2009) Neuroscience 163(4)

**PubMedID** [19631258](#)

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