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## DATASHEET

### (S)-MCPG

### Product overview

<b>Name</b>	(S)-MCPG
<b>Cat No</b>	HB0056
<b>Alternative names</b>	(S)-M4CPG
<b>Biological action</b>	Antagonist
<b>Purity</b>	>99%
<b>Description</b>	Non-selective group I/II mGluR antagonist

### Images



### Biological Data

<b>Biological description</b>	Non-selective group I and II mGluR antagonist. Water soluble sodium salt.
	Active enantiomer of (R,S)-MCPG.
	Displays slight activity at mGlu <sub>3</sub> receptor but none at mGlu <sub>4</sub> receptor.
	Inhibits MF-LTP (mossy fiber long term potentiation) and blocks induction of LTP in CA1 of rat hippocampus.
	Water soluble (R,S)-MCPG sodium salt and (S)-MCPG sodium salt also available.

### Solubility & Handling

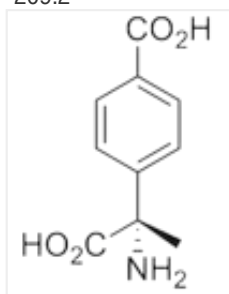
<b>Storage instructions</b>	Room temperature
<b>Solubility overview</b>	Soluble in 0.1M NaOH (100mM)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	(S)- $\alpha$ -Methyl-4-carboxyphenylglycine
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Molecular Weight  
Chemical structure

209.2



Molecular Formula  
CAS Number  
PubChem identifier  
SMILES  
Source  
InChi

C<sub>10</sub>H<sub>11</sub>NO<sub>4</sub>  
150145-89-4  
446355  
C[C@](C1=CC=C(C=C1)C(=O)O)(C(=O)O)N  
Synthetic  
InChi=1S/C10H11NO4/c1-10(11,9(14)15)7-4-2-6(3-5-7)8(12)13/h2-5H,11H2,1H3,(H,12,13)(H,14,15)/t10-/m0/s1  
DNCAZYRLRMTVSF-JTQLQIEISA-N  
MFCD00216858  
White solid

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## References

### Structure-activity relationships for a series of phenylglycine derivatives acting at metabotropic glutamate receptors (mGluRs).

Bedingfield JS *et al* (1995) Br J Pharmacol 116(8)

PubMedID [8719814](#)

### Structure-activity relationships of new agonists and antagonists of different metabotropic glutamate receptor subtypes.

Sekiyama N *et al* (1996) Br J Pharmacol 117(7)

PubMedID [8730745](#)

### Pharmacological agents acting at subtypes of metabotropic glutamate receptors.

Schoepp DD *et al* (1999) Neuropharmacology 38(10)

PubMedID [10530808](#)

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