

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@m2stage.hellobio.com



DATASHEET

(S)-MCPG

Product overview

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

Images



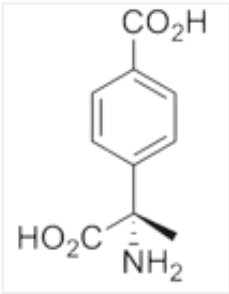
Biological Data

Biological description	Non-selective group I and II mGluR antagonist. Water soluble sodium salt. Active enantiomer of (R,S)-MCPG. Displays slight activity at mGlu ₈ receptor but none at mGlu ₄ 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

Storage instructions	Room temperature
Solubility overview	Soluble in 0.1M NaOH (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	(S)- α -Methyl-4-carboxyphenylglycine
Molecular Weight	209.2
Chemical structure	
Molecular Formula	C ₁₀ H ₁₁ NO ₄
CAS Number	150145-89-4
PubChem identifier	446355
SMILES	<chem>C[C@](C1=CC=C(C=C1)C(=O)O)(C(=O)O)N</chem>
Source	Synthetic
InChi	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-m/s1
InChiKey	DNCAZYRLRMTVSF-JTQLQIEISA-N
MDL number	MFCD00216858
Appearance	White solid

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](#)