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DATASHEET

(S)-4-Carboxyphenylglycine

Product overview

Name	(S)-4-Carboxyphenylglycine
Cat No	HB0049
Biological action	Antagonist
Purity	>99%
Description	Competitive, selective group 1 mGlu antagonist

Images



Biological Data

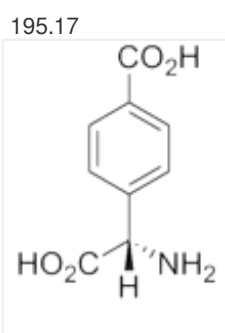
Biological description	Competitive and selective group 1 mGluR antagonist. Shows selectivity for mGluR _{1a} over mGluR _{5a/5b} . Displays preventative vasospasm properties.
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in NaOH(aq) (100mM, gentle warming)
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

Molecular Weight
Chemical structure



Molecular Formula	C ₉ H ₉ NO ₄
CAS Number	134052-73-6
PubChem identifier	5311459
SMILES	[H][C@@](N)(C(O)=O)C1=CC=C(C(O)=O)C=C1
InChIKey	VTMJKPGFERYGJF-ZETCQYMHSA-N

References

Antagonist activity of alpha-substituted 4-carboxyphenylglycine analogues at group I metabotropic glutamate receptors expressed in CHO cells.

Doherty AJ *et al* (1999) Br J Pharmacol 126(1)

PubMedID [10051137](#)

A glutamate receptor antagonist, S-4-carboxyphenylglycine (S-4-CPG), inhibits vasospasm after subarachnoid hemorrhage in haptoglobin 2-2 mice [corrected].

Garzon-Muvdi T *et al* (2013) Neurosurgery 73(4)

PubMedID [23842553](#)

Phenylglycine derivatives discriminate between mGluR1- and mGluR5-mediated responses.

Brabet I *et al* (1995) Neuropharmacology 34(8)

PubMedID [8532171](#)
