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DATASHEET

Glycine

Product overview

Name	Glycine
Cat No	HB0299
Biological action	Inhibitor
Description	Inhibitory neurotransmitter, NMDA receptor co-agonist

Images

Biological Data

Biological description	Inhibitory neurotransmitter. Also acts as NMDA receptor co-agonist. Prevents Ca^{2+}-independent receptor desensitization.

Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in water (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	Aminoethanoic acid
Molecular Weight	75.07
Chemical structure	
Molecular Formula	$C_2H_5NO_2$
CAS Number	56-40-6
PubChem identifier	750
SMILES	C(C(=O)O)N
InChi	InChI=1S/C2H5NO2/c3-1-2(4)5/h1,3H2,(H,4,5)
InChiKey	DHMQDGOQFOQNFH-UHFFFAOYSA-N
MDL number	MFCD00008131
Appearance	White solid

References

Glycine/NMDA receptor antagonists as potential CNS therapeutic agents: ACEA-1021 and related compounds.

Cai SX (2006) Curr Top Med Chem 6(7)
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Glycine receptors: heterogeneous and widespread in the mammalian brain.

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Glycine and N-methyl-D-aspartate receptors: physiological significance and possible therapeutic applications.

Danysz W *et al* (1998) Pharmacol Rev 50(4)
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