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DATASHEET

E4CPG

Product overview

Name	E4CPG
Cat No	HB0268
Biological action	Antagonist
Purity	>98%
Description	Group I / II mGlu antagonist

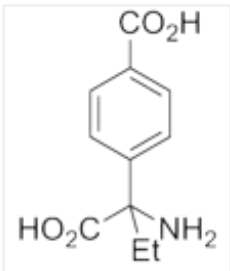
Biological Data

Biological description	Group I / II mGluR antagonist. Shows neuroprotective actions against glucocorticoid-mediated apoptosis.
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in NaOH(aq) (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	(<i>RS</i>)- α -Ethyl-4-carboxyphenylglycine
Molecular Weight	223.23
Chemical structure	
Molecular Formula	C ₁₁ H ₁₃ NO ₄
CAS Number	170846-89-6
PubChem identifier	3937355
SMILES	NC(C(O)=O)(CC)C1=CC=C(C(=O)O)C=C1
InChi	InChI=1S/C11H13NO4/c1-2-11(12,10(15)16)8-5-3-7(4-6-8)9(13)14/h3-6H,2,12H2,1H3,(H,13,14)(H,15,16)
InChiKey	AIEFWRRHRHRLFT-UHFFFAOYSA-N
MDL number	MFCD01074798

References

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

Ionotropic and metabotropic glutamate receptor mediation of glucocorticoid-induced apoptosis in hippocampal cells and the neuroprotective role of synaptic N-methyl-D-aspartate receptors.

Lu J *et al* (2003) Neuroscience 121(1)

PubMedID

12946705

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
