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## DATASHEET

E4CPG

### Product overview

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

### Biological Data

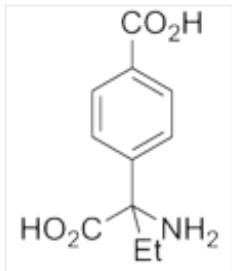
<b>Biological description</b>	Group I / II mGluR antagonist. Shows neuroprotective actions against glucocorticoid-mediated apoptosis.
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### Solubility & Handling

<b>Storage instructions</b>	Room temperature
<b>Solubility overview</b>	Soluble in NaOH(aq) (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>	( <i>RS</i> )- $\alpha$ -Ethyl-4-carboxyphenylglycine
<b>Molecular Weight</b>	223.23
<b>Chemical structure</b>	



<b>Molecular Formula</b>	C <sub>11</sub> H <sub>13</sub> NO <sub>4</sub>
<b>CAS Number</b>	170846-89-6
<b>PubChem identifier</b>	3937355
<b>SMILES</b>	NC(C(O)=O)(CC)C1=CC=C(C(O)=O)C=C1
<b>InChi</b>	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)
<b>InChiKey</b>	AIEFWRHRHFRLFT-UHFFFAOYSA-N
<b>MDL number</b>	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

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