

**Product Name:** CGP 52432

**Catalog No.:** 1246

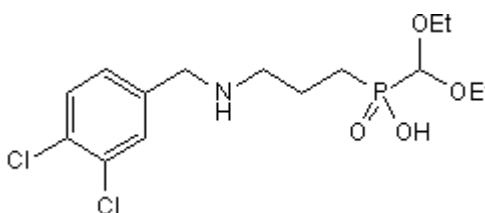
**Batch No.:** 3

CAS Number: 139667-74-6

IUPAC Name: 3-[[[(3,4-Dichlorophenyl)methyl]amino]propyl] diethoxymethyl)phosphinic acid

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>15</sub>H<sub>24</sub>Cl<sub>2</sub>NO<sub>4</sub>P.¼H<sub>2</sub>O  
**Batch Molecular Weight:** 388.74  
**Physical Appearance:** White solid  
**Solubility:** water to 10 mM with sonication  
**Storage:** Desiccate at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.15 (Dichloromethane:Methanol [95:5])  
**HPLC:** Shows >98.9% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	46.35	6.35	3.6
Found	46.17	6.29	3.51

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Description:**

Potent, selective GABA<sub>B</sub> receptor antagonist (IC<sub>50</sub> = 85 nM).

**Physical and Chemical Properties:**

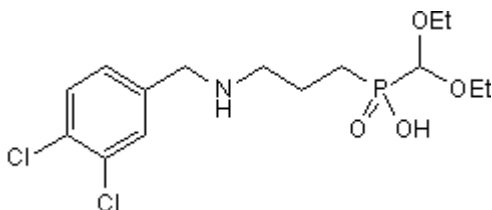
Batch Molecular Formula: C<sub>15</sub>H<sub>24</sub>Cl<sub>2</sub>NO<sub>4</sub>P·¼H<sub>2</sub>O

Batch Molecular Weight: 388.74

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Desiccate at +4°C

**Solubility & Usage Info:**

water to 10 mM with sonication

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**Licensing Information:**

Sold with the permission of Novartis Pharma AG

**References:**

**Bonanno et al** (1998) GABA<sub>B</sub> receptors as potential targets for drugs able to prevent excessive excitatory amino acid transmission in the spinal cord. *Eur.J.Pharmacol.* **362** 143. PMID: 9874164.

**Libri et al** (1998) Blockade of GABA<sub>B</sub> receptors facilitates muscarinic agonist-induced epileptiform activity in immature rat piriform cortex in vitro. *Naunyn Schmiedebergs Arch.Pharmacol.* **358** 168. PMID: 9750001.

**Froestl et al** (1996) Potent, orally active GABA<sub>B</sub> receptor antagonists. *Pharmacol.Rev.Comm.* **8** 127.

**Lanza et al** (1993) CGP 52432: a novel potent and selective GABA<sub>B</sub> autoreceptor antagonist in rat cerebral cortex. *Eur.J.Pharmacol.* **237** 191. PMID: 8103461.

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