

Product Name: CGP 52432

Catalog No.: 1246

Batch No.: 4

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: C₁₅H₂₄Cl₂NO₄P.½H₂O

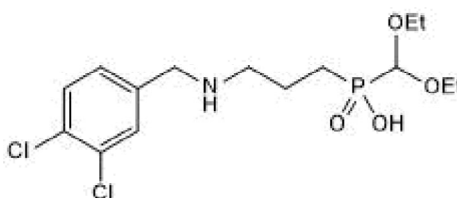
Batch Molecular Weight: 388.74

Physical Appearance: White solid

Solubility: water to 5 mM

Storage: Store at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.0% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	46.35	6.35	3.6
Found	45.78	6.11	3.54

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

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956

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Catalog No.: 1246

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CAS Number: 139667-74-6

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

Description:

CGP 52432 is a potent, selective GABA_B receptor antagonist (IC₅₀ = 85 nM).

Physical and Chemical Properties:

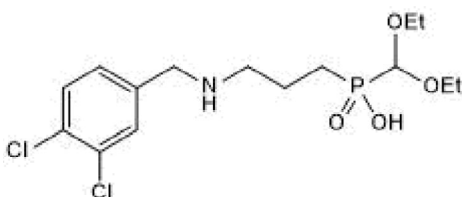
Batch Molecular Formula: C₁₅H₂₄Cl₂NO₄P·½H₂O

Batch Molecular Weight: 388.74

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

water to 5 mM

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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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_B 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_B 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_B receptor antagonists. *Pharmacol.Rev.Comm.* **8** 127.

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