

Product Name: CGP 52432

Catalog No.: 1246

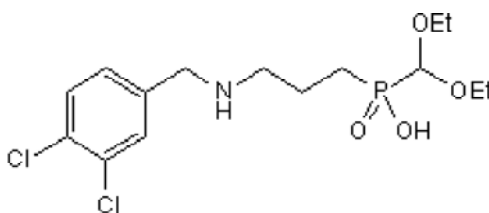
Batch No.: 3

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 ₁₅ H ₂₄ Cl ₂ NO ₄ P·½H ₂ O
Batch Molecular Weight:	388.74
Physical Appearance:	White solid
Solubility:	water to 10 mM with sonication
Storage:	Store at +4°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

TLC:	R _f = 0.15 (Dichloromethane:Methanol [95:5])
HPLC:	Shows 98.4% purity
¹H 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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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:

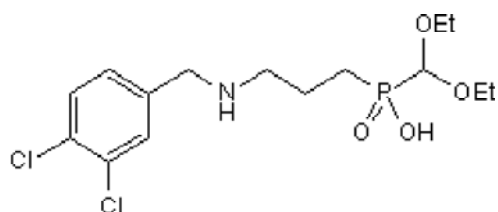
Batch Molecular Formula: C₁₅H₂₄Cl₂NO₄P·½H₂O

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 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_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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