

Certificate of Analysis

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Product Name: CGP 36216

Catalog No.: 3219

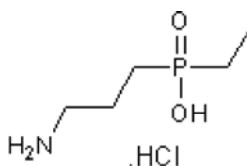
Batch No.: 1

CAS Number: 1781834-71-6

IUPAC Name: (3-Aminopropyl)ethylphosphinic acid hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₅H₁₄NO₂P.HCl
Batch Molecular Weight: 187.6
Physical Appearance: White solid
Solubility: water to 100 mM
DMSO to 100 mM
Storage: Desiccate at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.1 (Isopropanol:Ammonia solution:Water [8:1:1])
HPLC: Shows 100% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	32.01	8.06	7.47
Found	32.27	7.77	7.47

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

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Product Name: CGP 36216

Catalog No.: 3219

Batch No.: 1

CAS Number: 1781834-71-6

IUPAC Name: (3-Aminopropyl)ethylphosphinic acid hydrochloride

Description:

Selective GABA_B antagonist. Displays activity at presynaptic receptors; ineffective at GABA_B postsynaptic receptors.

Physical and Chemical Properties:

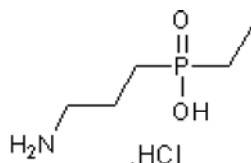
Batch Molecular Formula: C₅H₁₄NO₂P.HCl

Batch Molecular Weight: 187.6

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Desiccate at RT

Solubility & Usage Info:

water to 100 mM

DMSO to 100 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. 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.

References:

Ong et al (2001) CGP 36216 is a selective antagonist at GABA_B presynaptic receptors in rat brain. *Eur.J.Pharmacol.* **415** 191. PMID: 11274998.

Froestl et al (1995) Phosphinic acid analogues of GABA. 2. Selective, orally active GABA_B antagonists. *J.Med.Chem.* **38** 3313. PMID: 7650685.

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