

**Product Name:** CGP 54626 hydrochloride

**Catalog No.:** 1088

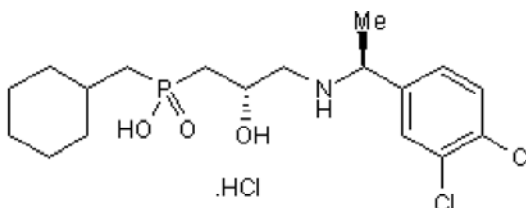
**Batch No.:** 2

CAS Number: 149184-21-4

IUPAC Name: [S-(R\*,R\*)]-[3-[[1-(3,4-Dichlorophenyl)ethyl]amino]-2-hydroxypropyl](cyclohexylmethyl) phosphinic acid

## 1. PHYSICAL AND CHEMICAL PROPERTIES

<b>Batch Molecular Formula:</b>	C <sub>18</sub> H <sub>28</sub> Cl <sub>2</sub> NO <sub>3</sub> P.HCl
<b>Batch Molecular Weight:</b>	444.76
<b>Physical Appearance:</b>	White solid
<b>Solubility:</b>	DMSO to 50 mM ethanol to 10 mM with gentle warming
<b>Storage:</b>	Store at RT
<b>Batch Molecular Structure:</b>	



## 2. ANALYTICAL DATA

<b>HPLC:</b>	Shows 99.3% purity
<b><sup>1</sup>H NMR:</b>	Consistent with structure
<b>Mass Spectrum:</b>	Consistent with structure
<b>Optical Rotation:</b>	[α] <sub>D</sub> = -32.7 (Concentration = 1, Solvent = Methanol)

<b>Microanalysis:</b>	Carbon Hydrogen Nitrogen		
Theoretical	48.61	6.57	3.15
Found	48.51	6.6	2.96

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

**Product Name:** CGP 54626 hydrochloride

**Catalog No.:** 1088

**Batch No.:** 2

CAS Number: 149184-21-4

IUPAC Name: [S-(R\*,R\*)]-[3-[[1-(3,4-Dichlorophenyl)ethyl]amino]-2-hydroxypropyl](cyclohexylmethyl) phosphinic acid

**Description:**

CGP 54626 hydrochloride is a potent, selective GABA<sub>B</sub> receptor antagonist (IC<sub>50</sub> = 4 nM).

**Physical and Chemical Properties:**

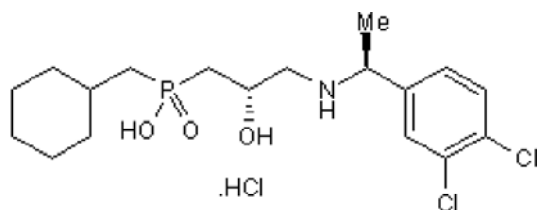
Batch Molecular Formula: C<sub>18</sub>H<sub>28</sub>Cl<sub>2</sub>NO<sub>3</sub>P.HCl

Batch Molecular Weight: 444.76

Physical Appearance: White solid

**Minimum Purity:** ≥96%

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

DMSO to 50 mM

ethanol to 10 mM with gentle warming

**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:**

**Kaupmann *et al*** (1998) GABA<sub>B</sub>-receptor subtypes assemble into functional heteromeric complexes. *Nature* **396** 683. PMID: 9872317.

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

**Brugger *et al*** (1993) The action of new potent GABA<sub>B</sub> receptor antagonists in the hemisectioned spinal cord preparation of the rat. *Eur.J.Pharmacol.* **235** 153. PMID: 8390938.

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