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: \( \text{C}_{15}\text{H}_{24}\text{Cl}_{2}\text{NO}_{4}\text{P} \cdot \frac{1}{4}\text{H}_{2}\text{O} \)
Batch Molecular Weight: 388.74
Physical Appearance: White solid
Solubility: water to 10 mM with sonication
Storage: Desiccate at +4°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.15 \) (Dichloromethane:Methanol [95:5])
HPLC: Shows >98.9% purity
\(^1\text{H} \text{NMR:} \) Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>46.35</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>6.35</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>3.6</td>
</tr>
</tbody>
</table>

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**Catalog No.:** 1246  
**Batch No.:** 3

**CAS Number:** 139667-74-6  
**IUPAC Name:** 3-[[3,4-Dichlorophenyl)methyl]amino]propyl] diethoxymethyl)phosphinic acid

**Description:** Potent, selective GABA<sub>6</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>N<sub>2</sub>O<sub>4</sub>P·¹⁄₄H<sub>2</sub>O
- **Batch Molecular Weight:** 388.74
- **Physical Appearance:** White solid
- **Minimum Purity:** >98%

**Batch Molecular Structure:**
![Molecular Structure](image)

**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:**

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