Product Name: SKF 97541
Catalog No.: 0379 Batch No.: 7
CAS Number: 127729-35-5
IUPAC Name: 3-Aminopropyl(methyl)phosphinic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \( C_4H_{12}NO_2P \)
   Batch Molecular Weight: 137.12
   Physical Appearance: White solid
   Solubility: Water to 100 mM
   Storage: Desiccate at RT
   Batch Molecular Structure:

```
H2N---R
     |   R
     Me
```

2. ANALYTICAL DATA

   \(^1\text{H NMR:}\) Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:
   
<table>
<thead>
<tr>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>35.04</td>
<td>8.82</td>
</tr>
<tr>
<td>Found</td>
<td>34.95</td>
<td>8.91</td>
</tr>
</tbody>
</table>

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

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**Product Name:** SKF 97541  
**Catalog No.:** 0379  
**Batch No.:** 7

**CAS Number:** 127729-35-5  
**IUPAC Name:** 3-Aminopropyl(methyl)phosphinic acid

**Description:**
Very potent GABA₈ agonist, at least ten times more active than baclofen (Cat. No. 0417). Also GABA₈-ρ antagonist.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C₆H₁₂NO₃P
- **Batch Molecular Weight:** 137.12
- **Physical Appearance:** White solid

**Batch Molecular Structure:**

![Batch Molecular Structure](image)

**Storage:** Desiccate at RT

**Solubility & Usage Info:**
- Water 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:**