Product Name: Vigabatrin
CAS Number: 60643-86-9
IUPAC Name: 4-Aminohexenoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₆H₁₁NO₂
Batch Molecular Weight: 129.16
Physical Appearance: White solid
Solubility: water to 100 mM phosphate buffered saline to 100 mM
Storage: Desiccate at +4°C

2. ANALYTICAL DATA

TLC: Rₓ = 0.55 (Pyridine:Acetic acid:Water:Butanol [3:8:11:22])
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>55.8</td>
<td>55.83</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>8.58</td>
<td>8.39</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>10.84</td>
<td>10.82</td>
</tr>
</tbody>
</table>
Product Name: Vigabatrin
Catalog No.: 0808
Batch No.: 8

CAS Number: 60643-86-9
IUPAC Name: 4-Aminohexenoic acid

Description:
Selective GABA-T (transaminase) inhibitor. Anticonvulsant.

Physical and Chemical Properties:
- Batch Molecular Formula: C₇H₁₄NO₂
- Batch Molecular Weight: 129.16
- Physical Appearance: White solid
- Minimum Purity: >98%

Storage:
Desiccate at +4°C

Solubility & Usage Info:
- water to 100 mM
- phosphate buffered saline 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:
