1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{11}\text{H}_{11}\text{NO}_{4} \)

Batch Molecular Weight: 221.21

Physical Appearance: White solid

Solubility: 1.1eq. NaOH to 100 mM

Storage: Store at RT

2. ANALYTICAL DATA

TLC: \( R_f = 0.33 \) (Pyridine:Acetic acid:Water:Butanol [3:8:11:33])

HPLC: Shows 100% purity

\(^1\text{H NMR:}\) Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>59.73</td>
<td>59.43</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>5.01</td>
<td>5.19</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>6.33</td>
<td>6.55</td>
</tr>
</tbody>
</table>

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

Product Name: AIDA
Catalog No.: 0904  Batch No.: 25

CAS Number: 168560-79-0
IUPAC Name: (RS)-1-Aminoindan-1,5-dicarboxylic acid

Description:
A relatively potent and selective antagonist of group I metabotropic glutamate receptors (mGlu₁), having no effect on group II (mGlu₂) or group III (mGlu₃) receptors expressed individually in baby hamster kidney cells. Has no effect on ionotropic glutamate receptors. Centrally active following systemic administration in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: C₁₁H₁₂NO₅
Batch Molecular Weight: 221.21
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Store at RT

Solubility & Usage Info:
1.1eq. NaOH 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: