1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{31}\text{H}_{27}\text{NO}_3\cdot\text{C}_4\text{H}_{11}\text{NO}_3 \)

Batch Molecular Weight: 582.7

Physical Appearance: Pale orange solid

Solubility: DMSO to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:

![Molecular Structure](image)

2. ANALYTICAL DATA

HPLC: Shows 98.2% purity

\(^1\)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 (C)</td>
<td>72.14</td>
<td>72.13</td>
</tr>
<tr>
<td>Hydrogen (H)</td>
<td>6.57</td>
<td>6.61</td>
</tr>
<tr>
<td>Nitrogen (N)</td>
<td>4.81</td>
<td>4.92</td>
</tr>
</tbody>
</table>

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Product Information

**Product Name:** ASB 14780  
**Catalog No.:** 6316  
**Batch No.:** 1

**CAS Number:** 1069046-00-9  
**IUPAC Name:** 3-(3-Phenethyl-1-(4-phenoxyphenyl)-1H-indol-5-yl)propanoic acid tris salt

**Description:**
Potent and selective cytosolic phospholipase A\(_2\) alpha (cPLA\(_2\)\(\alpha\)) inhibitor (IC\(_{50}\) = 20 nM). Selective for cPLA\(_2\)\(\alpha\) over secreted PLA\(_2\)\(\alpha\); exhibits no inhibition at 10 \(\mu\)M. Inhibits cPLA\(_2\)\(\alpha\)-dependent inflammatory responses in vitro in guinea pig and human whole-blood assays. Improves diet-induced liver injury and CCl\(_4\)-induced hepatic fibrosis in vivo. Orally bioavailable.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C\(_{31}\)H\(_{27}\)NO\(_3\).C\(_4\)H\(_{11}\)NO\(_3\)
- **Batch Molecular Weight:** 582.7
- **Physical Appearance:** Pale orange solid
- **Minimum Purity:** \(\geq 98\%\)
- **Batch Molecular Structure:**

![Molecular Structure](image)

**Storage:** Store at -20°C

**Solubility & Usage Info:**
- DMSO 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:**

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