1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{45}\text{H}_{62}\text{O}_{8} \)
Batch Molecular Weight: 730.97
Physical Appearance: Beige foam
Solubility: DMSO to 100 mM ethanol to 100 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.35 \) (Chloroform:Methanol [95:5])
HPLC: Shows 95% purity
\(^1\)H 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>73.94</td>
<td>73.75</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>8.55</td>
<td>8.69</td>
</tr>
<tr>
<td>Nitrogen</td>
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</tr>
</tbody>
</table>

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

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**Description:**
Competitive inhibitor of secretory phospholipase A\(_2\) (sPLA\(_2\)) that exhibits a broad inhibitory profile to several sPLA\(_2\)-s (IC\(_{50}\) values are 0.2, 1, 1, 1 and 3 \(\mu\)M for sPLA\(_2\)-X, -IIA, -IID, -V and -IIE respectively). Displays minimal activity at sPLA\(_2\)-IIF and no activity at cytosolic PLA\(_2\), cyclooxygenase and lipoxygenase. Ameliorates local inflammatory responses in TPA-induced mouse ear edema.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C\(_{45}\)H\(_{62}\)O\(_8\)
- **Batch Molecular Weight:** 730.97
- **Physical Appearance:** Beige foam
- **Minimum Purity:** >95%

**Batch Molecular Structure:**
![Molecular Structure Image]

**Storage:** Store at -20°C

**Solubility & Usage Info:**
- **DMSO to 100 mM**
- **Ethanol 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:**