1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_8\text{H}_{15}\text{NO}_3 \)
Batch Molecular Weight: 173.21
Physical Appearance: Beige solid
Solubility: water to 50 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

\(^1\)H NMR: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>55.47</td>
<td>8.73</td>
<td>8.09</td>
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<tr>
<td>Found</td>
<td>55.39</td>
<td>8.67</td>
<td>8.07</td>
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</tbody>
</table>
Product Name: Swainsonine
Catalog No.: 3208  Batch No.: 2

CAS Number: 72741-87-8
IUPAC Name: (1S,2R,8R,8aR)-Octahydro-1,2,8-indolizinetriol

Description:
Inhibitor of α-mannosidase II which inhibits glycoprotein processing. Displays anticancer and immune modulatory properties.

Physical and Chemical Properties:
Batch Molecular Formula: C_{18}H_{25}NO_3
Batch Molecular Weight: 173.21
Physical Appearance: Beige solid

Storage: Store at -20°C

Solubility & Usage Info:
water to 50 mM
This product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

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: