1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** $C_{42}H_{69}NaO_{11} \cdot H_2O$
- **Batch Molecular Weight:** 791
- **Physical Appearance:** White solid
- **Solubility:** DMSO to 50 mM; ethanol to 100 mM
- **Storage:** Store at +4°C
- **Batch Molecular Structure:**

![Molecular Structure Image]

2. ANALYTICAL DATA

- **$^1$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>C</td>
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<td>63.41</td>
</tr>
<tr>
<td>H</td>
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<td>9.07</td>
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</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: Salinomycin sodium salt
Catalog No.: 3637
Batch No.: 1

CAS Number: 55721-31-8

Description:
Cytotoxic to breast cancer stem cells. Inhibits CD44 expression in breast cancer cells in vitro. Inhibits mammary tumor growth in mice. Also antibiotic.

Physical and Chemical Properties:
Batch Molecular Formula: C_{62}H_{109}NaO_{11}·H_2O
Batch Molecular Weight: 791
Physical Appearance: White solid

Storage: Store at +4°C

Solubility & Usage Info:
DMSO to 50 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: