1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** $C_{34}H_{48}Na_2O_7.2H_2O$
- **Batch Molecular Weight:** 650.75
- **Physical Appearance:** White solid
- **Solubility:** water to 100 mM
- **Storage:** Store at +4°C

2. ANALYTICAL DATA

- **HPLC:** Shows 98.1% 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</td>
<td>62.75</td>
<td>62.52</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>8.05</td>
<td>7.98</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: Carbenoxolone disodium

CAS Number: 7421-40-1
IUPAC Name: (3β,20β)-3-(3-Carboxy-1-oxopropoxy)-11-oxoolean-12-en-29-oic acid disodium

Catalog No.: 3096
Batch No.: 4
EC Number: 231-044-0

Description:
Glucocorticoid that inhibits 11β-hydroxysteroid dehydrogenase (11-HSD) and blocks gap junction communication.

Physical and Chemical Properties:
Batch Molecular Formula: C_{33}H_{48}Na_{2}O_{7}.2H_{2}O
Batch Molecular Weight: 650.75
Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:

Storage: Store at +4°C

Solubility & Usage Info:
water 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: