1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $\text{C}_{34}\text{H}_{48}\text{Na}_{2}\text{O}_{7}\cdot\text{2H}_{2}\text{O}$

Batch Molecular Weight: 650.75

Physical Appearance: White solid

Solubility: water to 100 mM

Storage: Desiccate at +4°C

2. ANALYTICAL DATA

HPLC: Shows 98.1% purity

$^1\text{H NMR}$: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>62.75</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>8.05</td>
</tr>
<tr>
<td>Nitrogen</td>
<td></td>
</tr>
</tbody>
</table>
Product Information

Product Name: Carbenoxolone disodium
Catalog No.: 3096
Batch No.: 4
CAS Number: 7421-40-1
EC Number: 231-044-0
IUPAC Name: (3β,20β)-3-(3-Carboxy-1-oxopropoxy)-11-oxoolean-12-en-29-oic acid disodium

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

Physical and Chemical Properties:
Batch Molecular Formula: C₃₆H₅₈Na₂O₁₇·2H₂O
Batch Molecular Weight: 650.75
Physical Appearance: White solid

Minimum Purity: >98%

Storage: Desiccate 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: