1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{34}\text{H}_{48}\text{Na}_{2}\text{O}_{7}.1\frac{1}{2}\text{H}_{2}\text{O} \)

Batch Molecular Weight: 641.74

Physical Appearance: White solid

Solubility: water to 100 mM

Storage: Store at +4°C

2. ANALYTICAL DATA

HPLC: Shows 99.0% purity

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

Mass Spectrum: Consistent with structure

Microanalysis: Carbon Hydrogen Nitrogen

Theoretical 63.63 8.01

Found 63.32 8.11
Product Name: Carbenoxolone disodium
Catalog No.: 3096
Batch No.: 5
EC Number: 231-044-0

CAS Number: 7421-40-1
IUPAC Name: (3β,20β)-3-(3-Carboxy-1-oxopropoxy)-11-oxolean-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: C₃₃H₄₈Na₂O₇·1½H₂O
Batch Molecular Weight: 641.74
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: