

Certificate of Analysis

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Product Name: Canrenone

Catalog No.: 3281

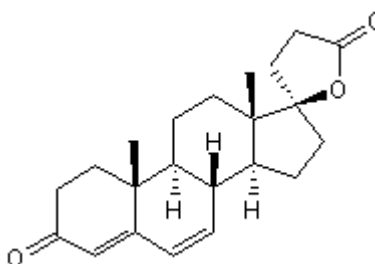
Batch No.: 1

CAS Number: 976-71-6

IUPAC Name: (17 α)-17-Hydroxy-3-oxopregna-4,6-diene-21-carboxylic acid γ -lactone

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₂H₂₈O₃
Batch Molecular Weight: 340.46
Physical Appearance: solid
Solubility: DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows >98.3% purity
¹H NMR: Consistent with structure
Optical Rotation: [α]_D = +22 (Concentration = 1, Solvent = Chloroform)
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	77.61	8.29	
Found	77.66	8.5	

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Information

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Description:

Mineralocorticoid receptor antagonist. Active metabolite of spironolactone (Cat. No. 2968).

Physical and Chemical Properties:

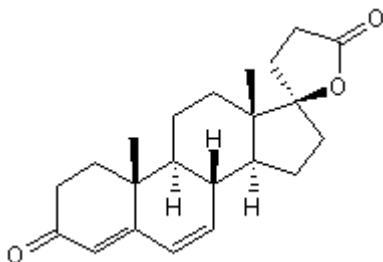
Batch Molecular Formula: C₂₂H₂₈O₃

Batch Molecular Weight: 340.46

Physical Appearance: solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO 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:

Delyani *et al* (2000) Mineralocorticoid receptor antagonists: the evolution of utility and pharmacology. *Kidney Int.* **57** 1408. PMID: 10760075.

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