

Certificate of Analysis

Product Name: RU 26752

Catalog No.: 2970

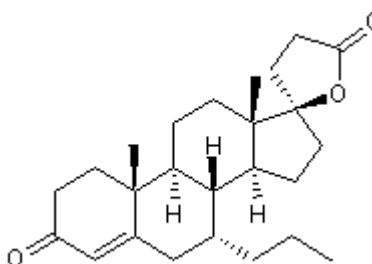
Batch No.: 1

CAS Number: 76676-33-0

IUPAC Name: (7 α ,17 α)-17-Hydroxy-3-oxo-7-propylpregn-4-ene-21-carboxylic acid γ -lactone

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₅H₃₆O₃
Batch Molecular Weight: 384.55
Physical Appearance: White solid
Solubility: DMSO to 25 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows >99.5% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	78.08	9.43	
Found	77.67	9.45	

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

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Description:

Mineralocorticoid receptor antagonist. Prevents aldosterone-induced hypertension in rats.

Physical and Chemical Properties:

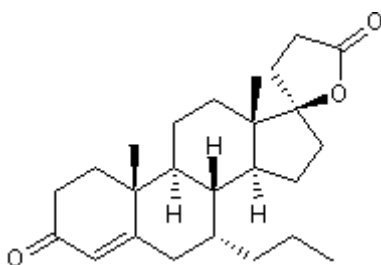
Batch Molecular Formula: C₂₅H₃₆O₃

Batch Molecular Weight: 384.55

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 25 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:

Lazar and Agarwal (1986) Evidence for an antagonist specific receptor that does not bind mineralocorticoid agonists. *Biochem.Biophys.Res.Comms.* **134** 261.

Kalimi et al (1990) Effects of antimineralocorticoid RU 26752 on steroid-induced hypertension in rats. *Am.J.Physiol.* **258** E737. PMID: 2333987.

Huyet et al (2007) Structural basis of spiro lactone recognition by the mineralocorticoid receptor. *Mol.Pharmacol.* **72** 563. PMID: 17569793.

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