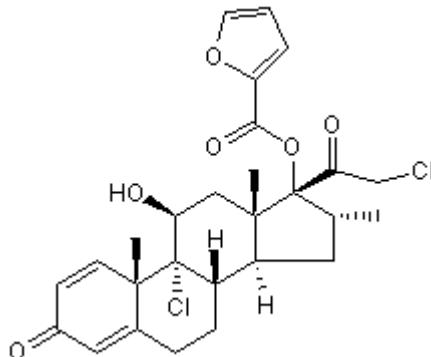


Certificate of Analysiswww.tocris.com**Product Name:** Mometasone furoate**Catalog No.:** 4115**Batch No.:** 1**CAS Number:** 83919-23-7**IUPAC Name:** 11 β ,16 α)-9,21-Dichloro-11-hydroxy-16-methyl-3,20-dioxopregna-1,4-dien-17-yl 2-furoate**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C₂₇H₃₀Cl₂O₆**Batch Molecular Weight:** 521.43**Physical Appearance:** White solid**Solubility:** DMSO to 100 mM
ethanol to 10 mM**Storage:** Store at -20°C**Batch Molecular Structure:****2. ANALYTICAL DATA****HPLC:** Shows 99.8% purity**¹H NMR:** Consistent with structure**Mass Spectrum:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

Theoretical 62.19 5.8

Found 62.2 5.74

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

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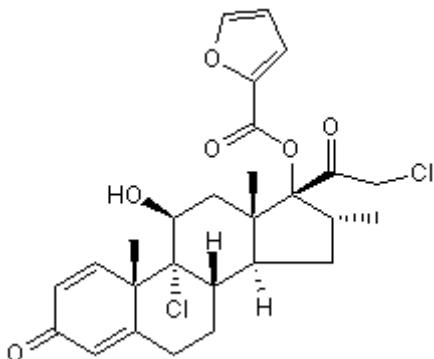
Product Name: Mometasone furoate**Catalog No.:** 4115**Batch No.:** 1**CAS Number:** 83919-23-7**IUPAC Name:** 11 β ,16 α)-9,21-Dichloro-11-hydroxy-16-methyl-3,20-dioxopregna-1,4-dien-17-yl 2-furoate**Description:**

Potent synthetic corticosteroid; displays agonist activity at glucocorticoid and progesterone receptors. Exhibits anti-inflammatory effects.

Physical and Chemical Properties:Batch Molecular Formula: C₂₇H₃₀Cl₂O₆

Batch Molecular Weight: 521.43

Physical Appearance: White solid

Minimum Purity: >99%**Batch Molecular Structure:****Storage:** Store at -20°C**Solubility & Usage Info:**DMSO to 100 mM
ethanol to 10 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:

Austin *et al* (2002) Mometasone furoate is a less specific glucocorticoid than fluticasone propionate. *Eur.Respir.J.* **20** 1386. PMID: 12503693.

Ogawa *et al* (2009) Dissociation of local anti-inflammatory effect and systemic effects of mometasone furoate in mice. *Immunopharmacol.Immunotoxicol.* **31** 601. PMID: 19874229.

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