



CERTIFICATE OF ANALYSIS

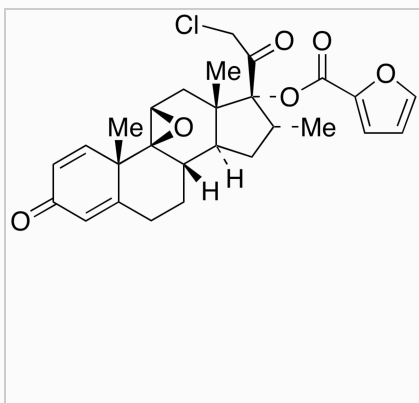
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1. Identification

Catalogue Number: C366525

Product: 21-Chloro-17a-[(2-furanylcarbonyl)oxy]-9b,11b-oxido-16a-methylpregna-1,4-diene-3,20-dione Mometasone Furoate Impurity D

Structure:



CAS Number: 83881-09-8

Synonym: (9 β ,11 β ,16 α)-21-Chloro-9,11-epoxy-17-[(2-furanylcarbonyl)oxy]-16-methylpregna-1,4-diene-3,20-dione; Mometasone Furoate Impurity D; Mometasone EP Impurity D; Mometasone

Molecular Formula:

C₂₇H₂₉ClO₆

Molecular weight:

484.97

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), DMSO (Slightly), Ethyl Acetate (Slightly)

Lot Number: 1-PRN-44-3

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 66.36, %H: 6.12
Specific Rotation	Report Result	-14.6° (c = 0.2, Chloroform)
HPLC Purity	Report Result	98.48% (254 nm)

Additional Information: Contains: ~1.4% Ethyl Acetate

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Evan Burns	Toni Rantanen	Chanell Chu	12/1/2021	11/29/2025

Evan Burns