



CERTIFICATE OF ANALYSIS

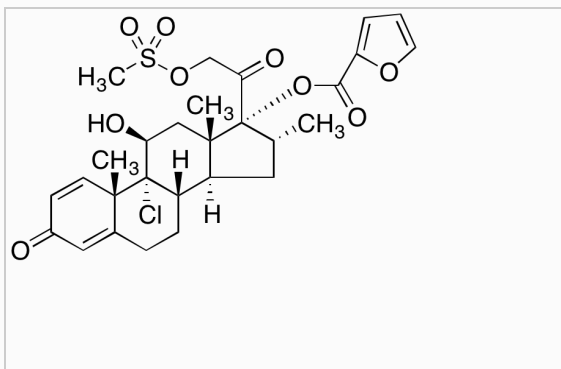
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1. Identification

Catalogue Number: C374115

Product: (11b,16a)-9-Chloro-17-[(2-furanylcarbonyl)oxy]-11-hydroxy-16-methyl-21-[(methylsulfonyl)oxy]-pregna-1,4-diene-3,20-dione (Mometasone Impurity R)

Structure:



CAS Number: 1370190-08-1

Synonym: 9-Chloro-11 β -hydroxy-16 α -methyl-21-[(methylsulfonyl)oxy]-3,20-dioxopregna-1,4-dien-17-yl Furan-2-carboxylate;

Molecular Formula:

C₂₈H₃₃ClO₉S

Molecular weight:

581.07

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 21-QFY-16-1

Purity: 96%

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 Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 57.83, %H: 5.81
HPLC Purity	Report Result	96.74% (250 nm)
MS	Conforms to Structure	Conforms
Water Content	Report Result	0.7% by Karl Fischer
Specific Rotation	Report Result	+22.3° (c = 0.2, Methanol)

Additional Information: N/A

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
Meenakshi Sharma	Toni Rantanen	Chanell Chu	11/23/2021	11/21/2025