CERTIFICATE OF ANALYSIS

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1. Identification

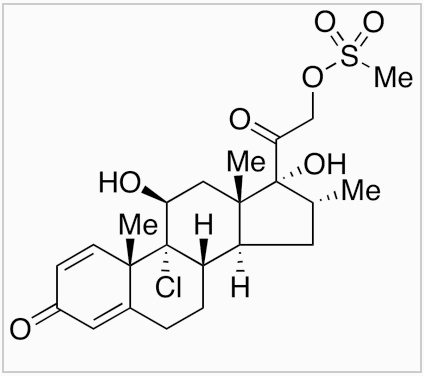
Catalogue Number: I164110

CAS Number: 352315-75-4

Product: Icomethasone 21-Mesylate

Synonym: (11β,16α)-9-Chloro-11,17-dihydroxy-16-methyl-21-[(methylsulfonyl)oxy]pregna-1,4-diene-3,20-dione

Structure:



Molecular Formula:

$C_{23}H_{31}ClO_7S$

Molecular weight:

487

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 7-NAV-179-3

Purity: 97%

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	Off-White to Pale Yellow Solid	Pale Yellow Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 56.65, %H: 6.68
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+112.8° (c = 0.1, Methanol)
HPLC Purity	>95%	96.92% (242 nm)

Additional Information: The sample was tested by TGA, initiated in a nitrogen environment. The initial degradation onset temperature was measured at 225.7°C. The second degradation onset temperature was measured at 424.7°C. The environment was changed to air at 800.0°C. The sample had 0.7% of its weight remaining at 996.8°C.

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 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
Neha Khanna	Toni Rantanen	Chanell Chu	8/13/2021	8/11/2025