



CERTIFICATE OF ANALYSIS

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1. Identification

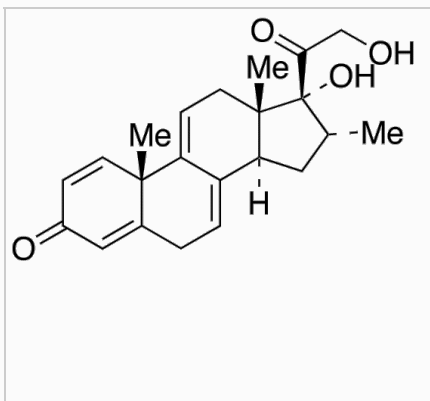
Catalogue Number: D298785

CAS Number: 1809224-82-5

Product: ?7,9(11)-Dexamethasone

Synonym: 9(11)-Dehydro Dexamethasone-7-ene;
Dexamethasone Impurity K

Structure:



Molecular Formula:

C₂₂H₂₆O₄

Molecular weight:

354.44

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), Ethyl
Acetate (Slightly), Methanol
(Slightly)

Lot Number: 14-XAL-110-3

Purity: 93%

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 Yellow Solid	Pale Yellow to Light Yellow Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	93.48% (238 nm)
Elemental Analysis	Conforms	%C: 72.56, %H: 7.65
Specific Rotation	Report Result	+121.0° (c = 0.1, Chloroform)
MS	Conforms to Structure	Conforms

Additional Information: Contains: ~2.0% Dichloromethane, ~1.7% Acetone

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
Henry Tieu	Toni Rantanen	Chanell Chu	10/20/2021	10/18/2025