



CERTIFICATE OF ANALYSIS

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1. Identification

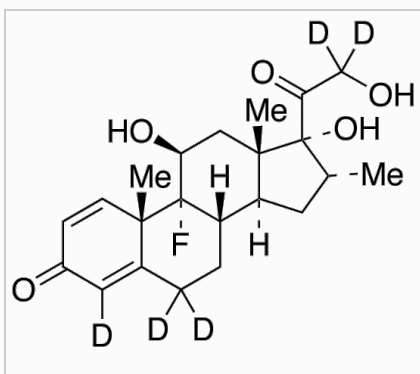
Catalogue Number: D298802

CAS Number: 358731-91-6

Product: Dexamethasone-d5

Synonym: (11?,16?)-9-Fluoro-11,17,21-trihydroxy-16-pregna-1,4-diene-3,20-dione-d5; 16?-Methyl-9?-fluoroprednisolone-d5; Aeroseb-Dex-d5; Corson-d5; Cortisumman-d5; Decacort-d5; Decaderm-d5; Decadron-d5; Decalix-d5; Decasone-d5; Dekacort-d5;

Structure:



Molecular Formula:

C₂₂H₂₄D₅FO₅

Molecular weight:

397.49

Source of Product:

Synthetic

Solubility:

Dioxane (Slightly), DMSO (Slightly), Methanol (Slightly)

Lot Number: 11-DHL-11-5

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	Off-White to Light Yellow Solid	Light Yellow Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
F NMR	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.0%
HPLC Purity	Report Result	96.06% (240 nm)

Additional Information:

Normalized Intensity: d0 = 0.00%, d1 = 0.04%, d2 = 0.10%, d3 = 0.29%, d4 = 8.80%, d5 = 90.78%

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
Henry Tieu	Toni Rantanen	Chanell Chu	11/25/2022	11/23/2029