

## 1. Identification

Catalogue Number

D298802

Lot Number

11-DHL-11-5

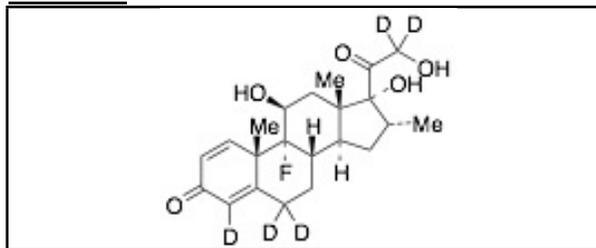
Product Name

Dexamethasone-d5

Synonyms

(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



CAS Number

358731-91-6

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C<sub>22</sub>H<sub>24</sub>D<sub>5</sub>FO<sub>5</sub>

Source of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

397.49

Purity

96%

## 2. Warnings

## 3. Analytical Information

Tests

Appearance

Specifications

Off-White to Light Yellow Solid

Results

Light Yellow Solid

NMR

Conforms to Structure

Conforms

F NMR

Conforms to Structure

Conforms

HPLC Purity

Report Result

96.06% (240 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

98.0%

Additional Information

Normalized Intensity: d<sub>0</sub> = 0.00%, d<sub>1</sub> = 0.04%, d<sub>2</sub> = 0.10%, d<sub>3</sub> = 0.29%, d<sub>4</sub> = 8.80%, d<sub>5</sub> = 90.78%

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

Henry Tieu  
Product Quality Specialist

Reviewed by

Toni Rantanen  
Manager, Quality Assurance

C of A Approved by

Chanell Chu  
Jr. Quality Assurance

Test Date

11/25/2022

Retest Date

11/23/2029