



CERTIFICATE OF ANALYSIS

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1. Identification

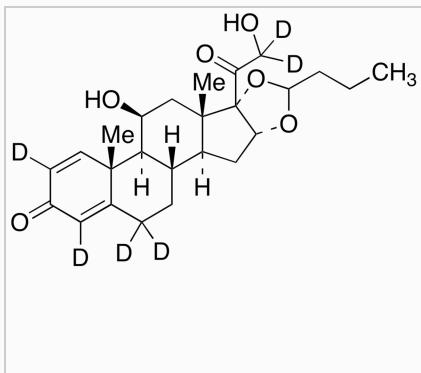
Catalogue Number: B689493

CAS Number: 1134189-63-1

Product: Budesonide-d6

Synonym: (11 β ,16 α)-16,17-[Butylidenebis(oxy)]-11,21-dihydroxypregna-1,4-diene-3,20-dione-d6; Bidien-d6; Budenofalk-d6; Budesomide-d6; Budeson-d6; Cortivent-d6; Entocort-d6; Micronyl-d6; Nebuampul-d6; Preferid-d6; Pulmicort-d6; Respules-d6; Rhinocort-d6; Rhinocort Aqua-d6-d6; S 1320-d6; Spirocort-d6; Turbuhaler-d6;

Structure:



Molecular Formula:

C₂₅H₂₈D₆O₆

Molecular weight:

436.57

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly, Heated)

Lot Number: 9-JHY-43-2

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:

Appearance Off-White to Pale Beige Solid
NMR Conforms to Structure
Elemental Analysis Conforms
HPLC Purity Report Result
MS Conforms to Structure
Isotopic Purity >95%

Specifications:

Pale Yellow to Pale Beige Solid
Conforms
%C: 68.55, %H: 7.97
98.80% (245 nm)
Conforms
97.9%

Results:

Additional Information:

Normalized Intensity: d0 = 0.01%, d1 = 0.10%, d2 = 0.05%, d3 = 0.38%, d4 = 0.09%, d5 = 10.64%, d6 = 88.74%

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 |
|-------------|---|---|-----------|-------------|
| Evan Burns | Toni Rantanen | Chanell Chu | 9/16/2022 | 9/14/2026 |
| Evan Burns |  |  | | |