



## CERTIFICATE OF ANALYSIS

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### 1. Identification

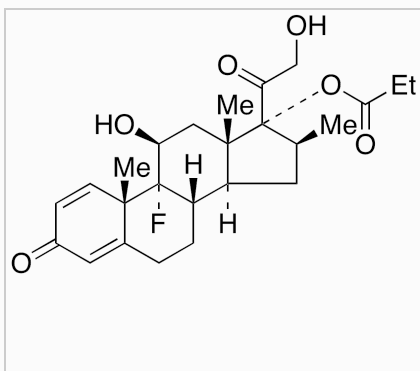
**Catalogue Number:** B327015

**CAS Number:** 5534-13-4

**Product:** Betamethasone 17-Propionate

**Synonym:** (11 $\beta$ ,16 $\beta$ )-9-Fluoro-11,21-dihydroxy-16-methyl-17-(1-oxopropoxy)pregna-1,4-diene-3,20-dione; Betamethasone 17 $\alpha$ -Propionate; Clobetasol Propionate EP Impurity A; Betamethasone Dipropionate EP Impurity B

**Structure:**



**Molecular Formula:**

C<sub>25</sub>H<sub>33</sub>FO<sub>6</sub>

**Molecular weight:**

448.52

**Source of Product:**

Synthetic

**Solubility:**

DMSO (Slightly, Heated),  
Methanol (Slightly)

**Lot Number:** 6-MMH-165-2

**Purity:** 98%

**Shipping Condition:** This Product Is Stable To Be  
Shipped At Room Temperature

**Storage Condition:** 4°C

### 2. Warning

**Warning 1:** Not Determined

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
HPLC Purity	>95%	97.67% (240 nm)
Appearance	White to Off-White Solid	White to Off-White Solid
Specific Rotation	Report Result	+78.1° (c = 0.5, Dioxane)
MS	Conforms to Structure	Conforms
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
F NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 66.80, %H: 7.38
Water Content	Report Result	0.2% by Karl Fischer
FT-IR	Conforms to Structure	Conforms

**Additional Information:** Elemental Analysis: (Theoretical) %C: 66.95, %H: 7.42

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	My Nguyen	9/30/2020	9/28/2027
				