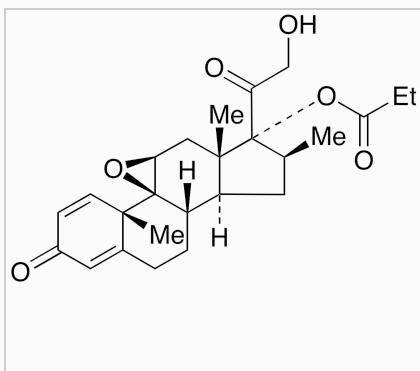# CERTIFICATE OF ANALYSIS

1. Identification

Catalogue Number: B327055

CAS Number: 79578-39-5

Product: Betamethasone 9,11-Epoxide 17-Propionate

Synonym: (9β,11β,16β)-9,11-Epoxy-21-hydroxy-16-methyl-17-(1-oxopropoxy)pregna-1,4-diene-3,20-dione; Beclomethasone 9,11-Epoxide 17-Propionate; Betamethasone Dipropionate EP Impurity U

Structure:

Molecular Formula: $C_{25}H_{32}O_6$

Molecular weight: 428.52

Source of Product: Synthetic

Solubility: Chloroform (Slightly), Methanol (Slightly)

Lot Number: 6-MMH-40-3

Purity: 98%

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	White to Off-White Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 68.69, %H: 7.41
MS	Conforms to Structure	Conforms

Additional Information: Contains: ~0.9% Ethyl Acetate

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
Neha Khanna	Toni Rantanen	Chanell Chu	3/24/2022	3/22/2029