



CERTIFICATE OF ANALYSIS

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1. Identification

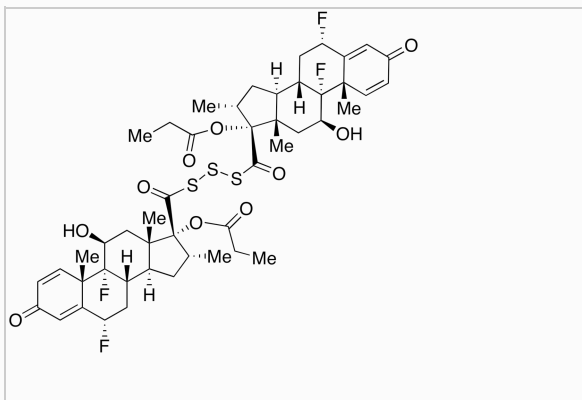
Catalogue Number: T886430

CAS Number: 960071-64-1

Product: (6a,11b,16a,17a)-(6'a,11'b,16'a,17'a)-17,17'-(Trithiodicarbonyl)bis[6,9-difluoro-11-hydroxy-16-methyl-17-(1-oxopropoxy)-androsta-1,4-dien-3-one

Synonym: Fluticasone Impurity;
Fluticasone EP Impurity I

Structure:



Molecular Formula:

C₄₈H₅₈F₄O₁₀S₃

Molecular weight:

967.16

Source of Product:

Synthetic

Solubility:

Acetone (Slightly), DMSO (Slightly), Dichloromethane (Slightly, Heated, Sonicate)

Lot Number: 8-NAV-72-2

Purity: 97%

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	White Solid
HPLC Purity	Report Result	98.03% (236 nm)
MS	Conforms to Structure	Conforms
NMR	Conforms to Structure	Conforms
F NMR	Conforms to Structure	Conforms
Specific Rotation	Report Result	-385.4° (c = 0.1, Dichloromethane)
Elemental Analysis	Conforms	%C: 59.93, %H: 6.31

Additional Information: Contains: ~1.2% 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
Swathi Reddy	Toni Rantanen	Chanell Chu	3/29/2022	3/27/2026