

1. Identification

Catalogue Number

F455810

Lot Number

1-WJS-33-5

Product Name

Fluocinolone Acetonide-21-aldehyde

Synonyms

(6 α ,11 β ,16 α)-6,9-Difluoro-11-hydroxy-16,17-[(1-methylethylidene)bis(oxy)]-3,20-dioxopregna-1,4-dien-21-al; 6 α ,9 α -Difluoro-11 β ,16 α ,17 α -trihydroxypregna-1,4-diene-3,20-dione-21-al-16,17-acetonide; 6 α ,9-Difluoro-11 β ,16 α ,17-trihydroxy-3,20-dioxopregna-1,4-dien-21-al Cyclic 16,17-acetal with Acetone; Fluocinolone Acetonide EP Impurity D

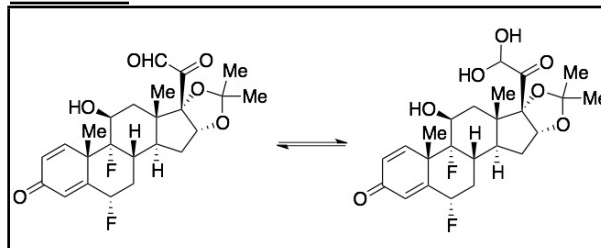
CAS Number

13242-30-3

Solubility

DMSO (Slightly), Methanol (Slightly)

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₂₄H₂₈F₂O₆

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

450.47

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Pale Yellow Solid	Pale Yellow Solid
NMR	Conforms to Structure	Conforms
F NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 60.24, %H: 6.73
HPLC Purity	>95%	96.75% (240 nm)
MS	Conforms to Structure	Conforms

Additional Information

N/A

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

Jessica Wang Chi

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Quality Assurance Associate

Test Date

2/24/2025

Retest Date

2/22/2029