

Analysis Date: 08-11-2025

Re-test Date: 08-11-2028

## TRIAMCINOLONE ACETONIDE EP IMPURITY C

### Identification

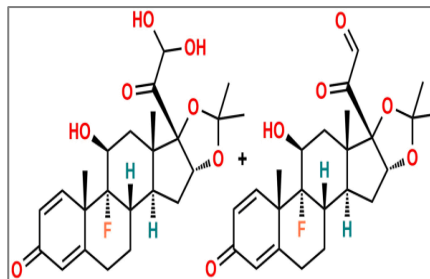
**Chemical Name** : 9-Fluoro-11 $\beta$ ,21,21-trihydroxy-16 $\alpha$ ,17-(1-methylethylidenedioxy)pregna-1,4-diene-3,20-dione

**CAT No** : ALL-TACT-4

**CAS No** : 161740-69-8

**Molecular Formula** : C<sub>24</sub>H<sub>31</sub>FO<sub>7</sub>

**Molecular Weight** : 450.5



### Analytical Information

<b>Batch Code</b>	: ALL-TACT-4	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 95.56%
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: -20°C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 1.096%	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 1.392%		

### Additional Information

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (1.096+1.392) × 98.00]/100 = 95.56%

**Recommendation** : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

**Attachment** : HPLC, Mass, <sup>1</sup>H NMR, IR, TGA

**Shipping Condition** : All Product are stable to be shipped at room temperature, unless otherwise specified

#### Corporate Office