

Analysis Date: 24-01-2025

Re-test Date: 24-01-2028

## HYDROCORTISONE EP IMPURITY G

### Identification

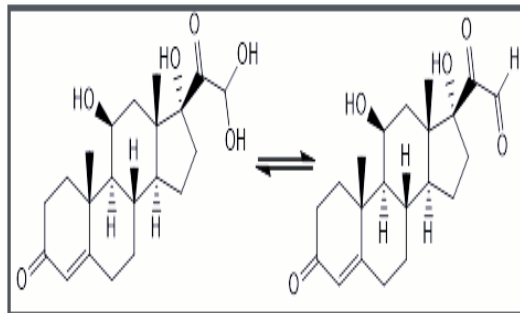
**Chemical Name** : 11 $\beta$ ,17-Dihydroxy-3,20-dioxopregn-4-en-21-al

**CAT No** : ALL-HYD-1594

**CAS No** : 14760-49-7

**Molecular Formula** : C<sub>21</sub>H<sub>28</sub>O<sub>5</sub>

**Molecular Weight** : 360.4



### Analytical Information

<b>Batch Code</b>	: ALL-HYD-1594	<b>HPLC Purity</b>	: 98.00 %
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 97.00 %
<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 Content By TGA</b>	: 0.847%	<b>1HNMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.170 %		

### Additional Information

**%Potency** = [100 - (Weight Content By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (0.847+0.270) × 98.00]/100 = 97.00 %

**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, 1H NMR, IR, TGA

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

#### Corporate Office