

Analysis Date: 31-07-2025

Re-test Date: 31-07-2028

## HYDROCORTISONE IMPURITY 12

### Identification

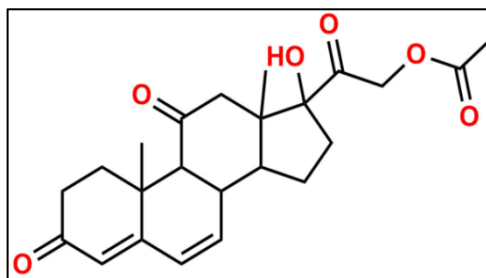
**Chemical Name** : 2-(17-Hydroxy-10,13-dimethyl-3,11-dioxo-2,3,8,9,10,11,12,13,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-17-yl)-2-oxoethyl acetate

**CAT No** : ALL-HYD-1612

**CAS No** : N.A.

**Molecular Formula** : C<sub>23</sub>H<sub>28</sub>O<sub>6</sub>

**Molecular Weight** : 400.5



### Analytical Information

<b>Batch Code</b>	: ALL-HYD-1612	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 96.32%
<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>	: 0.807%	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.901%		

### Additional Information

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (0.807+0.901) × 98.00]/100 = 96.32%

**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