

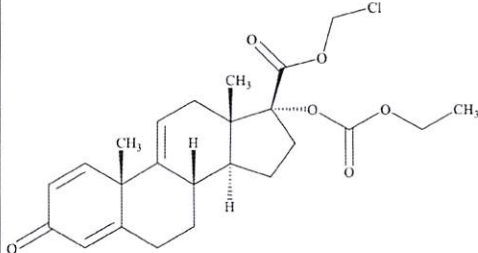
## Certificate of Analysis

Certificate No.: 20240130012



Date: January 30, 2024

Retest date: January 25, 2027

<b>Compound Name:</b> Loteprednol Impurity 6	
<b>Synonyms:</b>	chloromethyl (8S,10S,13S,14S,17R)-17-((ethoxycarbonyloxy)-10,13-dimethyl-3-oxo-6,7,8,10,12,13,14,15,16,17-decahydro-3H-cyclopenta[a]phenanthrene-17-carboxylate
<b>TLC Catalogue Number:</b>	L-3910
<b>CAS Number:</b>	207670-55-1
<b>Molecular Weight:</b>	448.94
<b>Molecular Formula:</b>	C <sub>24</sub> H <sub>29</sub> ClO <sub>6</sub>
<b>Source:</b>	TLC Pharmaceutical Standards
<b>Source Lot No.:</b>	2771-066A7
<b>Storage Conditions:</b>	Store at 2-8 °C
<b>Solubility:</b>	Acetonitrile



Test Description	Specifications	Results
<b>Visual Description</b>	White to off-white solid	<b>Conforms</b>
<b>Identification</b>		
<b>IR</b>	Conforms to structure	<b>Conforms</b>
<b>MS</b>	Conforms to structure	<b>Conforms</b>
<b><sup>1</sup>H NMR</b>	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>98.4%</b>
<b>Impurity (HPLC)</b>	RT 6.50, 1.50%	
<b>Water Content (KF)</b>	N/A	<b>0.0%</b>
<b>Residual Solvents (NMR)</b>	No residual solvent	
<b>Assay (%)</b>	Not less than 90.0%	<b>98.4%</b>
<b>Recommendation:</b>	<b>Release.</b> The compound contains 1.5% isomeric impurity (RT 6.50) according to its HPLC and LC-MS.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		02/01/2024
Approved by:	Quality Assurance		02/01/2024

**Attachments:** HPLC, IR, MS and NMR spectra.