

Analysis Date: 29-01-2026

Re-test Date: 29-01-2029

## MEDROXYPROGESTERONE ACETATE EP IMPURITY I

### Identification

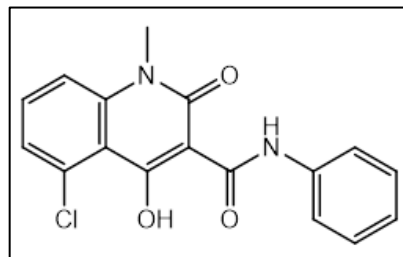
**Chemical Name** : N-Phenyl-5-chloro-1,2-dihydro-4-hydroxy-1-methyl-2-oxo-quinoline-3-carboxamide

**CAT No** : ALL-M07545

**CAS No** : N.A.

**Molecular Formula** : C<sub>17</sub>H<sub>13</sub>ClN<sub>2</sub>O<sub>3</sub>

**Molecular Weight** : 328.75 g/mol



### Analytical Information

<b>Batch No.</b>	: ALL-M07545	<b>HPLC Purity</b>	: 98.00 %
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 96.69 %
<b>Appearance of Product</b>	: OFF WHITE SOLID	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: 2-8 <sup>0</sup> C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 1.316 %	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.012 %		

### Additional Information

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (1.316+0.012) × 98.00]/100 = 96.69 %

**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