

Analysis Date: 10-06-2025

Re-test Date: 10-06-2028

## RIFAMPICIN DESACETYL QUINONE IMPURITY

### Identification

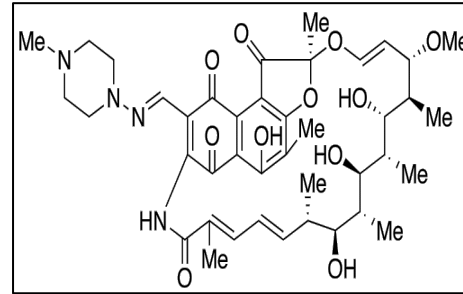
**Chemical Name** : 25-Deacetyl-1,4-didehydro-1,4-dideoxy-3-[[[4-methyl-1-piperazinyl)imino]methyl]-1,4-dioxo-rifamycin

**CAT No** : ALL-RIF-1965

**CAS No** : 65110-92-1

**Molecular Formula** : C<sub>41</sub>H<sub>54</sub>N<sub>4</sub>O<sub>11</sub>

**Molecular Weight** : 778.89



### Analytical Information

<b>Batch Code</b>	: ALL-RIF-1965	<b>HPLC Purity</b>	: 95.00 %
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 93.80 %
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: 2-8 °C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.717%	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.546 %		

### Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (0.717+0.546) × 95.00]/100 = 93.80 %

**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