

Analysis Date: 29-05-2025

Re-test Date: 29-05-2028

## CLINDAMYCIN PHOSPHATE IMPURITY B

### Identification

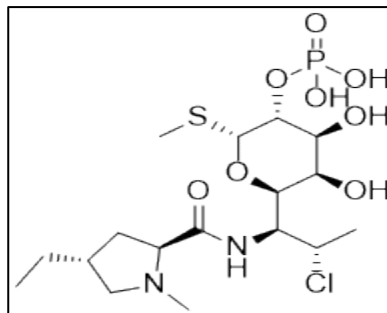
**Chemical Name** : Methyl 7-chloro-6,7,8-trideoxy-6-[[[(2S,4R)-4-ethyl-1-methylpyrrolidin-2-yl]carbonyl]amino]-1-thio-L-threo- $\alpha$ -D-galacto-octopyranoside 2-(dihydrogen phosphate)

**CAT No** : ALL-C07170

**CAS No** : 54887-31-9

**Molecular Formula** : C<sub>17</sub>H<sub>32</sub>ClN<sub>2</sub>O<sub>8</sub>PS

**Molecular Weight** : 490.94



### Analytical Information

<b>Batch Code</b>	: ALL-C07170	<b>HPLC Purity</b>	: 94.68 %
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 91.09 %
<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>	: 0.517 %	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 3.274 %		

### Additional Information

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (0.998+2.707) × 94.68]/100 = 91.09 %

**Recommendation** : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadse 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