

Analysis Date: 08-04-2025

Re-test Date: 08-05-2028

## CLINDAMYCIN PHOSPHATE EP IMPURITY D

### Identification

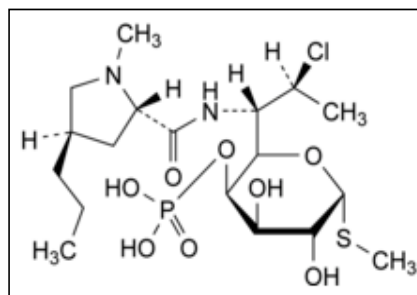
**Chemical Name** : methyl 7-chloro-6,7,8-trideoxy-6-[[[(2S,4R)-1-methyl-4-propylpyrrolidin-2-yl]carbonyl]amino]-4-O-phosphono-1-thio-L-threo- $\alpha$ -D-galactooctopyranoside (clindamycin 4-phosphate)

**CAT No** : ALL-C03564

**CAS No** : 54887-30-8

**Molecular Formula** : C<sub>18</sub>H<sub>34</sub>ClN<sub>2</sub>O<sub>8</sub>PS

**Molecular Weight** : 504.96



### Analytical Information

<b>Batch No</b>	: ALL-C03564	<b>HPLC Purity</b>	: 94.68 %
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 92.27 %
<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>	: 1.025 %	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 2.699 %		

### Additional Information

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (1.717+0.346) × 94.68]/100 = 92.27 %

**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