

Analysis Date: 14-06-2025

Re-test Date: 14-06-2028

## MUPIROCIN EP IMPURITY C

### Identification

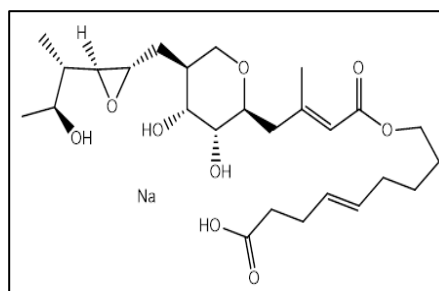
**Chemical Name** : (4E)-9-[[[(2E)-4-[(2S,3R,4R,5S)-3,4-dihydroxy-5-[[[(2S,3S)-3-[(1S,2S)-2-hydroxy-1-methylpropyl]oxiranyl] methyl]tetrahydro-2H-pyran-2-yl]-3-methylbut-2-enoyl]oxy]non-4-enoic acid (as per EP); (E)-9-[(E)-4-[(2S,3R,4R,5S)-3,4-Dihydroxy-5-[(2S,3S)-3-[(2S,3S)-3-hydroxy butan-2-yl]oxiran-2-yl)methyl]tetrahydro-2H-pyran-2-yl]-3-methylbut-2-enoyloxy]non-4-enoic acid (as per USP)

**CAT No** : ALL-M07314

**CAS No** : 85178-60-5 (Sodium Salt) ;  
85248-93-7 (acid)

**Molecular Formula** : C<sub>26</sub>H<sub>41</sub>NaO<sub>9</sub>

**Molecular Weight** : 520.59



### Analytical Information

<b>Batch Code</b>	: ALL-M07314	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 96.56 %
<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>	: 0.655%	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.897%		

### Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
[100 - (0.655+0.897) × 98.00]/100 = 96.56 %

**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

Allmpus Laboratories Pvt Ltd 38, Solitaire Industrial Estate, Plot No.TS-1, Near Nandi Palace Hotel, MIDC-Phase 1, Dombivli (E), Mumbai, Maharashtra 421203