

Analysis Date: 14-06-2025

Re-test Date: 14-06-2028

MUPIROCIN EP IMPURITY C

Identification

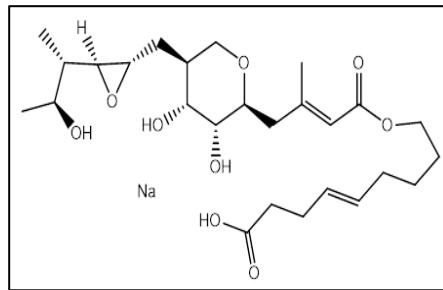
Chemical Name : (4E)-9-[(2E)-4-[(2S,3R,4R,5S)-3,4-dihydroxy-5-[(2S,3S)3-[(1S,2S)-2-hydroxy-1-methylpropyl]oxiranyl] methyl]tetrahydro-2H-pyran-2-yl]-3-methylbut-2-enoyloxy]non-4-enoic acid (as per EP); (E)-9-[(E)-4-[(2S,3R,4R,5S)-3,4-Dihydroxy-5-[(2S,3S)-3-[(2S,3S)-3-hydroxy butan-2-yl]oxiran-2-yl]methyl]tetrahydro-2H-pyran-2-yl]-3-methylbut-2-enoyloxy]non-4-eno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

CAT No : ALL-M07314

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

Molecular Formula : C26H41NaO9

Molecular Weight : 520.59



Analytical Information

Batch Code	: ALL-M07314	HPLC Purity	: 98.00%
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 96.56 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20 °C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.655%	1HNMR	: Confirm
Residue Of Ignition	: 0.897%		

Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity \%}] / 100 = \\ [100 - (0.655 + 0.897) \times 98.00] / 100 = 96.56 \%$$

Recommendation : Released

Prepared and Reviewed by	Department	Name	Signature
	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

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