

Analysis Date: 19-06-2025

Re-test Date: 19-06-2028

MUPIROCIN

Identification

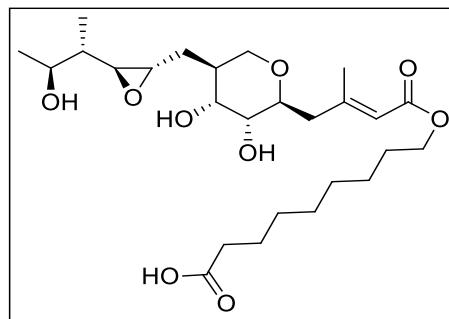
Chemical Name : 9-[(2E)-4-[(2S,3R,4R,5S)-3,4-Dihydroxy-5-[(2S,3S)-3-[(1S,2S)-2-hydroxy-1-methylpropyl]oxiranyl]methyl] tetrahydro-2H-pyran-2-yl]-3-methylbut-2-enyl]oxy]nonanoic acid (as per EP); (E)-(2S,3R,4R,5S)-5-[(2S,3S,4S,5S)-2,3-Epoxy-5-hydroxy-4-methylhexyl]tetrahydro-3,4-dihydroxy-β-methyl-2H-pyran-2-crotonic acid, ester with 9-hydroxynonanoic acid

CAT No : ALL-MUP-1

CAS No : 12650-69-0

Molecular Formula : C₂₆H₄₄O₉

Molecular Weight : 500.6



Analytical Information

Batch Code	: ALL-MUP-1	HPLC Purity	: 98.00%
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 97.08%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20 °C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.113 %	1HNMR	: Confirm
Residue Of Ignition	: 0.817 %		

Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 = \\ [100 - (0.113 + 0.817) \times 98.00] / 100 = 98.08\%$$

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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