

Analysis Date: 14-06-2025

Re-test Date: 14-06-2028

MUPIROCIN EP IMPURITY A

Identification

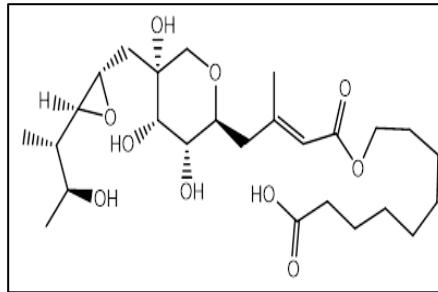
Chemical Name : 9-[(2E)-4-[(2S,3R,4R,5R)-3,4,5-trihydroxy-5-[(2S,3S)-2-hydroxy-1-methylpropyl]oxiranyl] methyl]tetrahydro-2H-pyran-2-yl]-3-methylbut-2-enoyloxy]nonanoic acid (as per EP); 9-[(E)-3-Methyl-4-[(2S,3R,4S,5R)-3,4,5-trihydroxy-5-[(2S,3S)-3-[(2S,3S)-3-hydroxybutan-2-yl]oxiran-2-yl]methyl]tetrahydro-2H-pyran-2-yl]but-2-enoyloxy]nonanoic acid (as per USP)

CAT No : ALL-M07312

CAS No : 40980-51-6

Molecular Formula : C₂₆H₄₄O₁₀

Molecular Weight : 516.62



Analytical Information

Batch Code	: ALL-M07312	HPLC Purity	: 98.03 %
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 96.99 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20 °C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.451%	1HNMR	: Confirm
Residue Of Ignition	: 0.607%		

Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity \%}] / 100 = \\ [100 - (0.451 + 0.607) \times 98.03] / 100 = 96.99 \%$$

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, 1H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office