

Analysis Date: 14-06-2025

Re-test Date: 14-06-2028

MUPIROCIN EP IMPURITY F

Identification

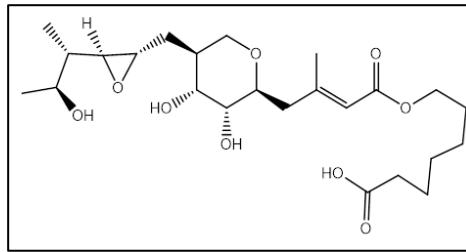
Chemical Name : 7-[(2E)-4-[(2S,3R,4R,5S)-3,4-dihydroxy-5-[(1S,2S)-2-hydroxy-1-methylpropyl]oxiranyl] methyl]tetrahydro-2H-pyran-2-yl]-3-methylbut-2-enoyloxy]heptanoic acid (as per EP); 7-{(E)-4-[(2S,3R,4R,5S)-3,4-Dihydroxy-5-[(2S,3S)-3-[(2S,3S)-3-hydroxybutan-2-yl]oxiran-2-yl]methyl]tetrahydro-2H-pyran-2-yl]-3-methylbut-2-enoyl oxy}heptanoic acid (as per USP)

CAT No : ALL-M07317

CAS No : 167842-64-0

Molecular Formula : C₂₄H₄₀O₉

Molecular Weight : 472.57



Analytical Information

Batch Code	: ALL-M07317	HPLC Purity	: 98.04%
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 97.11%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20 °C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.411%	1HNMR	: Confirm
Residue Of Ignition	: 0.533%		

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
[100 - (0.411+0.533) × 98.04]/100 = 97.11%

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

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