

# CERTIFICATE OF ANALYSIS

(Certificate No. SZ-M055006-1916)

Analysis Date: 28/07/2020

Re-test Date: 18/06/2022

## Mupirocin EP Impurity E

### Identification

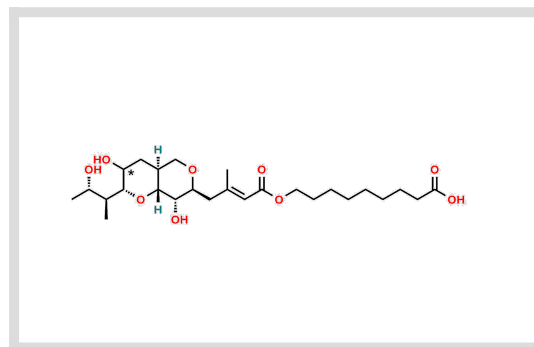
**Chemical Name** : 9-[[[(2E)-4-[(2R,3RS,4aS,7S,8S,8aR)-3,8-dihydroxy-2-[(1S,2S)-2-hydroxy-1-methylpropyl]hexahydro2H,5H-pyrano[4,3-b]pyran-7-yl]-3-methylbut-2-enoyl]oxy]nonanoic acid,

**CAT No.** : SZ-M055006

**CAS No.** : 71087-96-2

**Molecular Formula** : C<sub>26</sub>H<sub>44</sub>O<sub>9</sub>

**Molecular Weight** : 500.6



### Analytical Information

<b>Batch Code</b>	: SRL-401-13-1	<b>HPLC Purity</b>	: 95.66 %
<b>Solubility</b>	: ACN:H <sub>2</sub> O (8:2)	<b>Mass</b>	: Confirm
<b>Appearance of product</b>	: White Hygroscopic Solid	<b>IR Analysis</b>	: Confirm
<b>Long Term Storage</b>	: 2-8 °C for long term storage	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Weight Loss By TGA</b>	: 2.44 %		

### Additional Information

% Potency = [100 - 2.44(Wt loss by TGA)] X [95.66 (HPLC Purity)] / 100 = 93.33 %

**Recommendation** : Released

	Department	Signature	Date
Prepared and Reviewed by	Analytical		
Approved By	Quality Control		

**Attachments** : HPLC, Mass, NMR, IR, TGA

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