

**Analysis Date:** 23-09-2025

**Re-test Date:** 23-09-2028

## **MITOMYCIN EP IMPURITY D**

### **Identification**

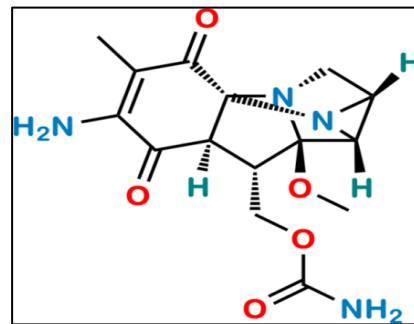
**Chemical Name** : [(1S,2S,4S,5R,6S,6aR,10aS,11S)-8-Amino-5-methoxy-9-methyl-7,10-dioxo-2,3,6,6a,7,10-hexahydro-1,2,5-metheno-1H,5H-imidazo[2,1-i]indol-6-yl]methyl carbamate (as per EP) ; {(1S,2S,4aS,8aR,9S,9aR)-7-Amino-9a-methoxy-6-methyl-5,8-dioxo-1,2,3,5,8,8a,9,9a-octahydro-1,2,4a-metheno-(epinitrilo)pyrrolo[1,2-a]indol-9-yl)methyl carbamate (as per USP)

**CAT No** : ALL-MIT-17

**CAS No** : 111750-67-5

**Molecular Formula** : C<sub>15</sub>H<sub>18</sub>N<sub>4</sub>O<sub>5</sub>

**Molecular Weight** : 334.3



### **Analytical Information**

<b>Batch Code</b>	: ALL-MIT-17	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 95.87%
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: -20°C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 1.145%	<b>1HNMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 1.025%		

### **Additional Information**

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
[100 - (1.145+1.025) × 98.00]/100 = 95.87%

**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**

Allmpus Laboratories Pvt Ltd 38, Solitaire Industrial Estate, Plot No.TS-1, Near Nandi Palace Hotel, MIDC-Phase 1, Dombivli (E), Mumbai, Maharashtra 421203