

Analysis Date: 23-09-2025

Re-test Date: 23-09-2028

MITOMYCIN EP IMPURITY D

Identification

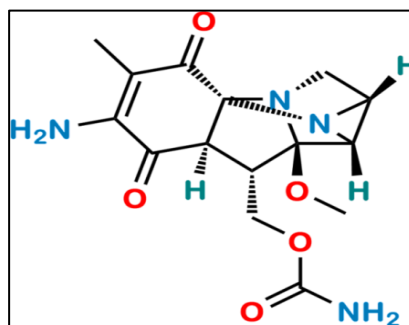
Chemical Name : [(1S,2S,4S,5R,6S,6aR,10aS,11S)-8-Amino-5-methoxy-9-methyl-7,10-dioxo-2,3,6,6a,7,10-hexahydro-1,2,5-metheno-1H,5H-imidazo[2,1-i]indol-6-yl)methyl carbamate (as per EP) ;
{(1S,2S,4aS,8aR,9S,9aR)-7-Amino-9a-methoxy-6-methyl-5,8-dioxo-1,2,3,5,8,8a,9,9a-octahydro-1,2,4a-metheno-(epinitrilo)pyrrolo[1,2-a]indol-9-yl)methyl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

CAT No : ALL-MIT-17

CAS No : 111750-67-5

Molecular Formula : C₁₅H₁₈N₄O₅

Molecular Weight : 334.3



Analytical Information

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

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