Certificate Of Analysis

Analysis Date: 07-08-2025 **Re-test Date:** 07-08-2028

DEMECLOCYCLINE HYDROCHLORIDE - IMPURITY F

Identification

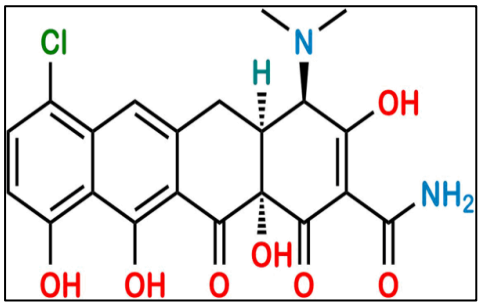
Chemical Name : 2-Naphthacenecarboxamide, 4-(dimethylamino)-1,4,4a,5,12,12a-hexahydro-3,10,11,12a-tetrahydroxy-1,12-dioxo-, (4S,4aS,12aS)- (9Cl, ACI)

CAT No : ALL-D05956

CAS No : 81181-91-1

Molecular Formula : C21H19ClN2O7

Molecular Weight : 446.84



Analytical Information

Batch Code	: ALL-D05956	**HPLC Purity**	: 98.00%
Solubility	: USP Diluent / EP Diluent (MEOH)	**Potency**	: 97.70%
Appearance of Product	: Off White Solid	**Mass**	: Confirm
Long Term Storage	: -20°C	**IR Analysis**	: Confirm
Weight Loss By TGA	: 0.101%	**1HNMR**	: Confirm
Residue Of Ignition	: 0.202%		

Additional Information

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

[100 – (0.101+0.202) × 98.00]/100 = 97.70%

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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