

Analysis Date: 07-08-2025

Re-test Date: 07-08-2028

DEMECLOCYCLINE HYDROCHLORIDE - IMPURITY E

Identification

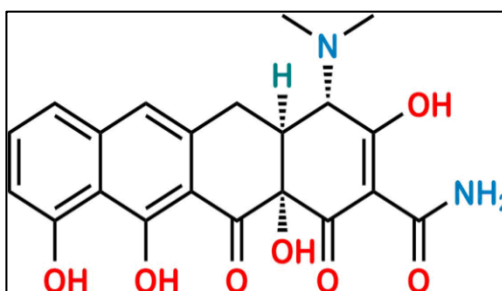
Chemical Name : 2-Naphthacencarboxamide, 4-(dimethylamino)-1,4,4a,5,12,12a-hexahydro-3,10,11,12a-tetrahydroxy-1,12-dioxo-, (4S,4aS,12aS)- (9CI, ACI)

CAT No : ALL-D05955

CAS No : 4496-85-9

Molecular Formula : C₂₁H₂₀N₂O₇

Molecular Weight : 412.39



Analytical Information

Batch Code	: ALL-D05955	HPLC Purity	: 98.00%
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 96.13%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20°C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.901%	¹HNMR	: Confirm
Residue Of Ignition	: 1.001%		

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 - (0.901+1.001) × 98.00]/100 = 96.13%

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