

CERTIFICATE OF ANALYSIS

(Certificate No. KMD028001-03)

Release Date: 09/01/2026

Re-test Date: 08/01/2029

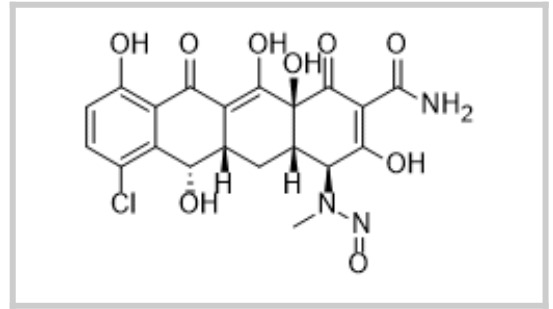
N-Nitroso N-Desmethyl Demeclocycline

Identification

Chemical Name :

(4S,4aS,5aS,6S,12aS)-7-chloro-3,6,10,12,12a-pentahydroxy-4-(methyl(nitroso)amino)-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotricyclic-2-carboxamide (Mixture of E/Z Isomer)

CAT No. : KMD028001
CAS No. : Not Available
Molecular Formula : C₂₀H₁₈ClN₃O₉
Molecular Weight : 479.82



Analytical Information

Batch No.	: D028001-114-094	Solubility	: Methanol
Description	: Light Brown Solid	Mass	: Confirm
HPLC Purity	: 99.56 %	IR	: Confirm
Weight Loss By TGA	: 2.10 %	¹ H NMR	: Confirm
% Potency	: 97.47 %	¹³ C NMR	: Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage
Shipping Condition : Product is stable to be shipped at room temperature
% Potency = [100 - 2.10(Weight Loss By TGA)] x [99.56(HPLC Purity)]/100 = 97.47 %
Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		31/03/2026
Reviewed & Approved By	Quality Control	Jatin Patel		31/03/2026

Attachments : COA, HPLC, MASS, ¹H NMR, ¹³C NMR, IR and TGA