

CERTIFICATE OF ANALYSIS

(Certificate No. KMD028001-02)

Release Date: 14/07/2025

Re-test Date: 13/07/2028

N-Nitroso N-Desmethyl Demeclocycline

Identification

Chemical Name :

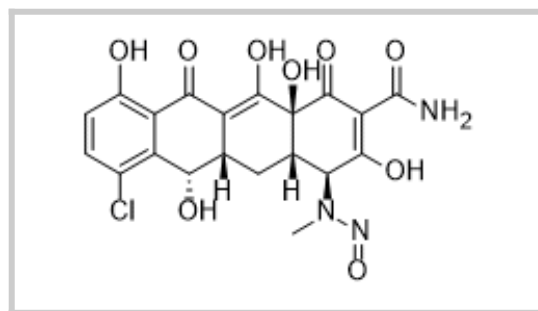
(4S,4aS,5aS,6S,12aS)-7-chloro-3,6,10,12,12a-pentahydroxy-4-(methyl(nitroso)amino)-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide (Mixture of E/Z Isomer)

CAT No. : KMD028001

CAS No. : Not Available

Molecular Formula : C₂₀H₁₈ClN₃O₉

Molecular Weight : 479.82



Analytical Information

Batch No. : D028001-102-128

Description : Light Brown Solid

HPLC Purity : 99.29 %

Weight Loss By TGA : 2.29 %

% Potency : 97.02 %

Solubility : Methanol

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

D₂O Exchange : 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 - 2.29(Weight Loss By TGA)] x [99.29(HPLC Purity)]/100 = 97.02 %
-Mixture Of Isomer

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		15/07/2025
Reviewed & Approved By	Quality Control	Jatin Patel		15/07/2025

Attachments : COA, HPLC, MASS, ¹HNMR,D₂O Exchange,IR and TGA