CERTIFICATE OF ANALYSIS

(Certificate No. KMD013001-03)

Release Date: 13/04/2026 **Re-test Date:** 12/04/2029

N-Nitroso-N-Desmethyl-Doxycycline

Identification

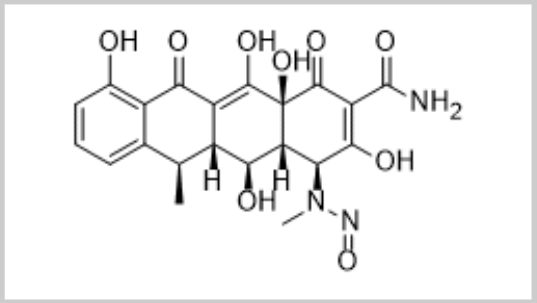
Chemical Name :
(4S,4aR,5S,5aR,6R,12aS)-3,5,10,12,12a-pentahydroxy-6-methyl-4-(methyl(nitroso)amino)-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide (Mixture of E/Z Isomer)

CAT No. : KMD013001

CAS No. : Not Available

Molecular Formula : C21H21N3O9

Molecular Weight : 459.41



Analytical Information

Batch No.	: D013001-114-241	**Solubility**	: ACN
Description	: Light Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 97.14 %	**IR**	: Confirm
Weight Loss By TGA	: 3.34 %	**1H NMR**	: Confirm
% Potency	: 93.9 %	**13C 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 - 3.34(Weight Loss By TGA)] x [97.14(HPLC Purity)]/100 = 93.9 %
-Mixture of Isomer

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		13/04/2026
Reviewed & Approved By	Quality Control	Jatin Patel		13/04/2026

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