

# 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 :**

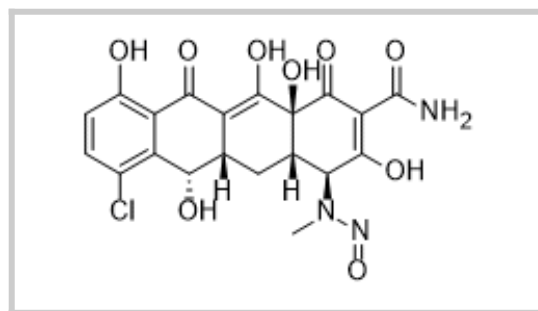
(4S,4aS,5aS,6S,12aS)-7-chloro-3,6,10,12,12a-pentahydroxy-4-(methyl(nitroso)amino)-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide (Mixture of E/Z Isomer)

CAT No. : KMD028001

CAS No. : Not Available

Molecular Formula : C<sub>20</sub>H<sub>18</sub>ClN<sub>3</sub>O<sub>9</sub>

Molecular Weight : 479.82



### Analytical Information

Batch No. : D028001-114-094

Description : Light Brown Solid

HPLC Purity : 99.56 %

Weight Loss By TGA : 2.10 %

% Potency : 97.47 %

Solubility : Methanol

Mass : Confirm

IR : Confirm

<sup>1</sup>H 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		09/01/2026
Reviewed & Approved By	Quality Control	Jatin Patel		09/01/2026

Attachments : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA