

CERTIFICATE OF ANALYSIS

(Certificate No. KMD013005-03)

Release Date: 23/06/2026

Re-test Date: 22/06/2029

6-Epi Doxycycline

Identification

Chemical Name :

(4S,4aR,5S,5aR,6S,12aS)-4-(Dimethylamino)-3,5,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotricyclic-2-carboxamide

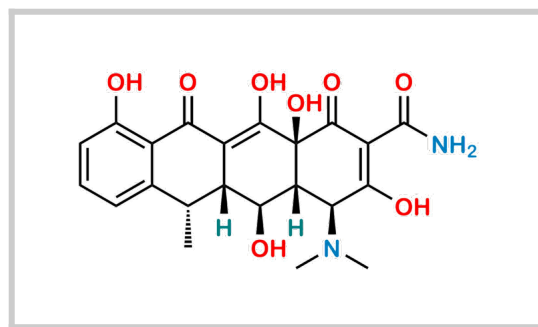
Alt. Name : Doxycycline USP Related Compound A ; 6-Epidoxycycline

CAT No. : KMD013005

CAS No. : 3219-99-6 ; 41411-66-9 (HCl Salt)

Molecular Formula : C₂₂H₂₄N₂O₈

Molecular Weight : 444.4



Analytical Information

Batch No. : D013005-136-056

Description : Light Yellow Solid

HPLC Purity : 92.56 %

Weight Loss By TGA : 1.57 %

% Potency : 91.11 %

Solubility : Water

Mass : Confirm

IR : Confirm

¹H 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 - 1.57(Weight Loss By TGA)] x [92.56(HPLC Purity)]/100 = 91.11 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		23/06/2026
Reviewed & Approved By	Quality Control	Jatin Patel		23/06/2026

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