

CERTIFICATE OF ANALYSIS

(Certificate No. KMD013006-01)

Release Date: 24/05/2025

Re-test Date: 23/05/2028

Doxycycline Related Compound A

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-octahydrotetracene-2-carboxamide hydrochloride

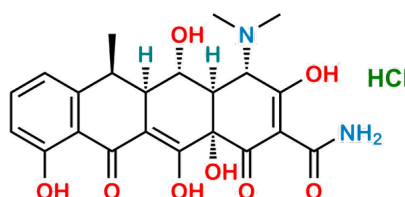
Alt. Name : Doxycycline USP Related Ccompound A ; 6-Epidoxycycline Hydrochloride

CAT No. : KMD013006

CAS No. : 41411-66-9

Molecular Formula : C₂₂H₂₄N₂O₈ : HCl

Molecular Weight : 444.4 : 36.5



Analytical Information

Batch No. : DOX-EPA-045-051

Description : Light Yellow Solid

HPLC Purity : 93.04 %

Weight Loss By TGA : 4.52 %

% Potency : 88.83 %

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 - 4.52(Weight Loss By TGA)] x [93.04(HPLC Purity)]/100 = 88.83 %

-Re-tested on 24.05.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		18/06/2025
Reviewed & Approved By	Quality Control	Jatin Patel		18/06/2025

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