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CERTIFICATE OF ANALYSIS

Analysis Date: Sep 2025

Re-test Date: Aug 2028

Product Name: 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

Synonyms : NA

CAS Number : NA

CAT Number : CP-D56009

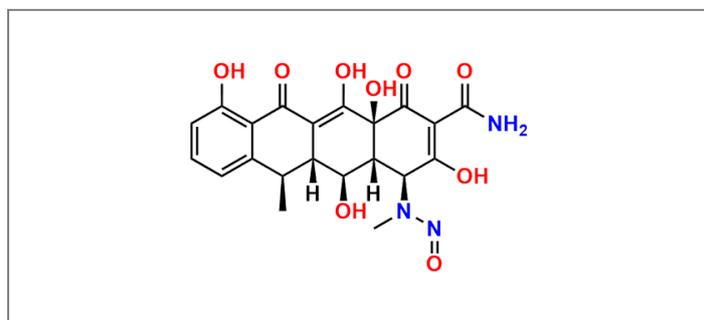
Molecular Formula : C₂₁H₂₁N₃O₉

Molecular Weight : 459.41

Batch Number : CP-DOX-DMN-0324

Storage Condition : Tightly closed, Inert atmosphere at -20° C

Shipping condition : At low temperature with dry ice and ice pack gel



Analytical Information:

Sr. No.	Test	Result
1)	Description	Brown Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	95.15%
5)	¹ HNMR	Confirm to structure
6)	Weight loss by TGA	1.999%
7)	Potency by TGA	93.24%



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Quality Control)

Approved By

Ms Rohini Gagare
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.