

# CERTIFICATE OF ANALYSIS

(Certificate No. KMM021001-01)

Release Date: 14/06/2024

Re-test Date: 13/06/2027

## 9-Nitro Minocycline

### Identification

**Chemical Name :**

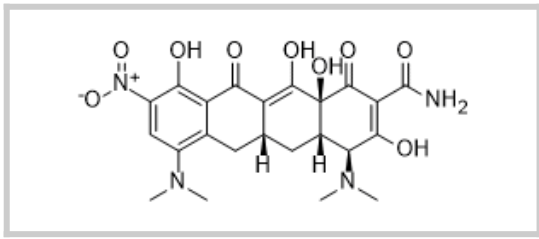
(4S,4aS,5aR,12aS)-4,7-bis(dimethylamino)-3,10,12,12a-tetrahydroxy-9-nitro-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide

CAT No. : KMM021001

CAS No. : 149934-16-7

Molecular Formula : C<sub>23</sub>H<sub>26</sub>N<sub>4</sub>O<sub>9</sub>

Molecular Weight : 502.47



### Analytical Information

Batch No. : TIG-IMP-9-073-252

Description : Yellow Solid

HPLC Purity : 95.84 %

Weight Loss By TGA : 2.94 %

% Potency : 93.02 %

Solubility : Water

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 - 2.94(Weight Loss By TGA)] x [95.84(HPLC Purity)]/100 = 93.02 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		14/06/2024
Reviewed & Approved By	Quality Control	Jatin Patel		14/06/2024

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