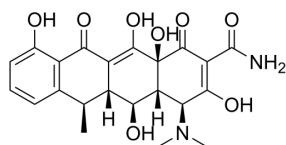


Certificate of Analysis

| | |
|-----------------------|---|
| Product Name: | Doxycycline |
| Cat. No.: | CS-0009105 |
| CAS No.: | 564-25-0 |
| Batch No.: | 160296 |
| Chemical Name: | 2-Naphthacencarboxamide, 4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,5,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S,4aR,5S,5aR,6R,12aS)- |

PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------|---|
| Molecular Formula: | C ₂₂ H ₂₄ N ₂ O ₈ |
| Molecular Weight: | 444.43 |
| Storage: | 2-8°C, sealed storage, away from moisture |
| Chemical Structure: | |



ANALYTICAL DATA

| | |
|------------------------------------|---|
| Appearance: | Light yellow to brown (Solid) |
| ¹H NMR Spectrum: | Consistent with structure |
| MS: | Consistent with structure |
| Purity (NMR): | ≥98.0% |
| Conclusion: | The product has been tested and complies with the given specifications. |

Caution: Product has not been fully validated for medical applications. For research use only.

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