Inhibitors

## **Certificate of Analysis**

## **Tetracycline**

Cat. No.: HY-A0107 60-54-8 CAS No .: Batch No.: 217967

**Chemical Name:** 2-Naphthacenecarboxamide, 4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-p

entahydroxy-6-methyl-1,11-dioxo-, (4S,4aS,5aS,6S,12aS)-

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{22}H_{24}N_2O_8$ **Molecular Weight:** 444.43

Storage: Powder -20°C 3 years

> 4°C 2 years

\* The compound is unstable in solutions, freshly prepared is recommended.

**Chemical Structure:** 

## **ANALYTICAL DATA**

Appearance: Light yellow to yellow (Solid) <sup>1</sup>H 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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