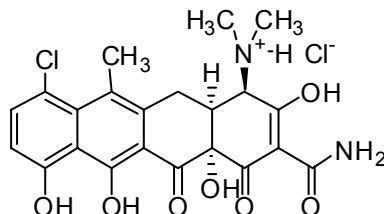


Epianhydrochlortetracycline HCl

Code: **BIA-E1346**

Pack sizes: **1 mg, 5 mg**



Synonyms : **4-Epianhydrochlortetracycline hydrochloride**

Specifications

CAS # : **158018-53-2**
Molecular Formula : **C₂₂H₂₁ClN₂O₇.HCl**
Molecular Weight : **497.3**
Source : **Semi-synthetic**
Appearance : **Orange solid**
Purity : **>95%**
Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.**

Application Notes

Epianhydrochlortetracycline is a secondary degradation product formed by the degradation of epichlortetracycline by dehydration at the C6 position to aromatise the B ring. Epianchlorhydrotetracycline is an important standard for monitoring tetracycline stability.

References

1. Quantitative analysis of chlortetracycline and related substances by high-performance liquid chromatography. Kahn N.H. *et al.* J. Pharm. Biomed. Anal. **1989**, 7,339.
2. Analysis of purified samples of oxytetracycline, 4-epioxytetracycline, alpha-apooxytetracycline and beta-apooxytetracycline. Kahn N.H. *et al.* Janssen Chimica Acta **1992**, 10, 16.
3. Analysis of purified samples of the hydrochloride salt of chlortetracycline, 4-epichlortetracycline, anhydrochlortetracycline, 4-epianhydrochlortetracycline and isochlortetracycline. Hendrix C. *et al.* Janssen Chimica Acta, **1993**, 11, 16.