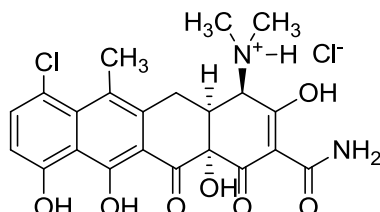


Epianhydrochlortetracycline hydrochloride

Code No.: **BIA-E1346**

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



Synonyms : 4-Epianhydrochlortetracycline hydrochloride

Specifications

CAS #	: 158018-53-2
Molecular Formula	: C₂₂H₂₂Cl₂N₂O₇
Molecular Weight	: 497.3
Source	: Semi-synthetic
Appearance	: Orange solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.

Application Notes

Epianhydrochlortetracycline is a secondary degradation product formed by dehydration of epichlortetracycline at the C6 position to aromatise the B ring. Epianhydrochlortetracycline 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.