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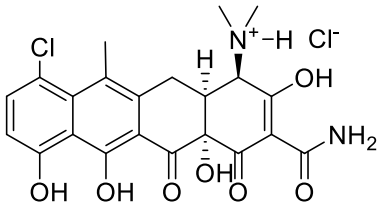
PRODUCT DATA SHEET

Epianhydrochlortetracycline hydrochloride

Code No.: **BIA-E1346**

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



Synonyms : 4-Epianhydrochlortetracycline hydrochloride

Specifications

CAS #	:	**158018-53-2**
Molecular Formula	:	**$C_{22}H_{22}Cl_2N_2O_7$**
Molecular Weight	:	**497.3**
Source	:	**Semi-synthetic**
Appearance	:	**Orange solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol, 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.

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