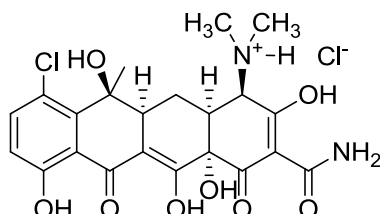


Epichlortetracycline hydrochloride

Code No.: **BIA-E1345**

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



Synonyms : 4-Epichlortetracycline hydrochloride

Specifications

CAS #	: 101342-45-4
Molecular Formula	: C ₂₂ H ₂₄ Cl ₂ N ₂ O ₈
Molecular Weight	: 515.4
Source	: Semi-synthetic
Appearance	: Yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.

Application Notes

Epichlortetracycline is a degradation product of chlortetracycline formed by acid-catalysed isomerisation of the dimethylamino group at C4. Epichlortetracycline exhibits little antibiotic activity but its abundance is indicative of poor storage and handling of chlortetracycline.

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. Separation of keto-enol tautomers of chlortetracycline and 4-epichlortetracycline by liquid chromatography on poly(styrene-divinylbenzene)copolymer. Naidong W. J. Pharm Biomed Anal. 1990, 8, 881.