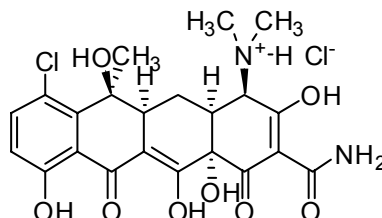


Epichlortetracycline HCl

Code: **BIA-E1345**

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



Synonyms : **4-Epichlortetracycline hydrochloride**

Specifications

CAS # : **101342-45-4**
Molecular Formula : **C₂₂H₂₃ClN₂O₈.HCl**
Molecular Weight : **515.35**
Source : **Semi-synthetic**
Appearance : **Orange solid**
Purity : **>95%**
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.