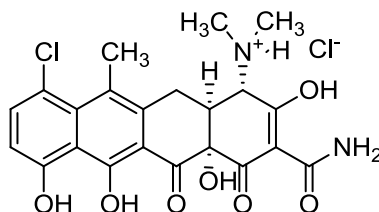


## Anhydrochlortetracycline hydrochloride

Code No.: **BIA-A1552**

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



Synonyms :

### Specifications

CAS #	: 65490-24-6
Molecular Formula	: C <sub>22</sub> H <sub>22</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>7</sub>
Molecular Weight	: 497.3
Source	: Semi-synthetic
Appearance	: Yellow solid
Purity	: >98% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.

### Application Notes

Anhydrochlortetracycline is a degradation product of chlortetracycline formed by acid-catalysed isomerisation of the dimethylamino group at C4. Anhydrochlortetracycline 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.