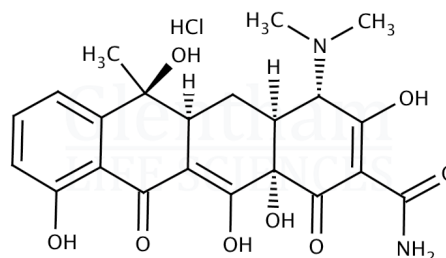


Product Specification

| | |
|-------------------|--|
| Product Name | Tetracycline hydrochloride, BP, Ph. Eur. grade |
| Glentham Code | GP9934 |
| CAS Number | 64-75-5 |
| EINECS | 200-593-8 |
| MDL-Nummer | MFCD00078142 |
| Molecular Weight | 480.91 |
| Molecular Formula | $C_{22}H_{24}N_2O_8 \cdot HCl$ |
| Storage Temp. | -20°C |



| Property | Specification |
|--------------------------------|---|
| Physical Description | Yellow crystalline powder |
| Solubility | Soluble in water, slightly soluble in ethanol (96 per cent); practically insoluble in acetone |
| Identification | A, B, C according to BP, Ph. Eur. |
| pH | 1.8 - 2.8 |
| Specific Optical Rotation | -240 - -255 ° |
| Related Substances (HPLC) | 4-Epitetracycline: ≤ 3.0% |
| | 2-Acetyl-2-decarbamoylepianhydratetracycline: ≤ 1.5% |
| | Anhydrotetracycline: ≤ 0.5% |
| | 4-Epianhydrotetracycline: ≤ 0.5% |
| Heavy Metals | ≤ 50ppm |
| Loss on Drying | ≤ 2.0% |
| Residue on Ignition | ≤ 0.5% |
| Assay (HPLC) | 95.0 - 102.0 % |
| Pharmacopoeia Specification(s) | BP, Ph. Eur. |

| | | |
|-----------------------|---|------------|
| Specification Version | - | v1.0 |
| Date Created | - | 2019-12-02 |

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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