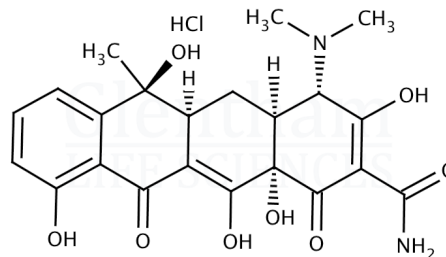


## Product Specification

|                   |                                |
|-------------------|--------------------------------|
| Product Name      | Tetracycline hydrochloride     |
| Glentham Code     | GA4323                         |
| CAS Number        | 64-75-5                        |
| EINECS            | 200-593-8                      |
| MDL Number        | MFCD00078142                   |
| PubChem SID       | 310280702                      |
| Molecular Weight  | 480.91                         |
| Molecular Formula | $C_{22}H_{24}N_2O_8 \cdot HCl$ |
| Storage Temp.     | -20°C                          |



| Property  | Specification                           |
|---|---|
| Physical Description                            | Yellow powder                           |
| Solubility (5% in water)                        | Clear, yellow to yellow-orange solution |
| pH (1% in water)                                | 1.8 - 2.8                               |
| Specific Optical Rotation ( $[\alpha]_{20/D}$ ) | -240.0 - -255.0 ° (c=1, 0.1M HCl)       |
| Loss on Drying                                  | ≤ 2.0% (105°C)                          |
| Assay   | ≥ 95.0%                                 |

|                       |   |            |
|-----------------------|---|------------|
| Specification Version | - | v1.2       |
| Date Created          | - | 2021-01-29 |

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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