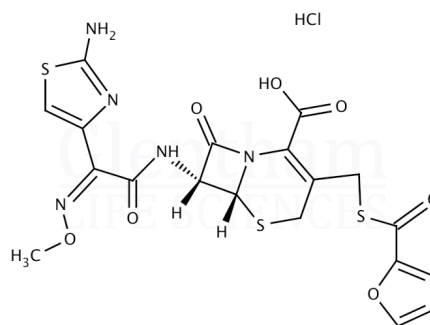


## Product Specification

|                   |                                   |
|-------------------|-----------------------------------|
| Product Name      | Ceftiofur hydrochloride           |
| Glentham Code     | GA9252                            |
| CAS Number        | 103980-44-5                       |
| PubChem SID       | 310269517                         |
| Numéro MDL        | MFCD04038020                      |
| Molecular Weight  | 560.02                            |
| Molecular Formula | $C_{19}H_{17}N_5O_7S_3 \cdot HCl$ |
| Storage Temp.     | -20°C                             |



| Property                                        | Specification                          |
|-------------------------------------------------|----------------------------------------|
| Physical Description                            | White, off-white or pale yellow powder |
| Identification (IR)                             | To conform to standard                 |
| Specific Optical Rotation ( $[\alpha]_{20/D}$ ) | -115.0 - -127.0 ° (c=0.5, DMF)         |
| Water (KF)                                      | ≤ 5.0%                                 |
| Assay                                           | ≥ 97.5%                                |

|                       |              |
|-----------------------|--------------|
| Specification Version | - v1.0       |
| Date Created          | - 2017-02-22 |

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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