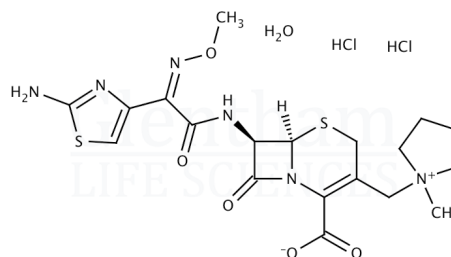


## Product Specification

|                |                                  |
|----------------|----------------------------------|
| Product Name   | Cefepime dihydrochloride hydrate |
| Glentham Code  | GA3114                           |
| CAS Number     | 123171-59-5                      |
| MDL Number     | MFCD01687679                     |
| Additional CAS | 107648-80-6 (anhyd.)             |
| Additional CAS | 88040-23-7                       |
| PubChem SID    | 310269474                        |

|                   |   |
|-------------------|---|
| Molecular Weight  | 571.50 (anhydrous)                            |
| Molecular Formula | $C_{19}H_{24}N_6O_5S_2 \cdot HCl \cdot xH_2O$ |
| Storage Temp.     | +4°C  |



| Property  | Specification                              |
|---|--|
| Physical Description                            | White to off-white powder                  |
| Identification (IR)                             | To conform to standard                     |
| Solubility (5% in water)                        | Clear, colourless to faint yellow solution |
| pH (5% in water)                                | 1.0 - 2.5                                  |
| Solubility (0.1% in DMSO)                       | Clear, colourless solution                 |
| Specific Optical Rotation ( $[\alpha]_{20/D}$ ) | +39.0 - 46.0 ° (c=1, water)                |
| Water   | ≤ 6.0%                                     |
| Assay   | 840 - 910 µg/mg (cefepime, anhydrous)      |

|                       |              |
|-----------------------|--------------|
| Specification Version | - v1.1       |
| Date Created          | - 2023-07-28 |

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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