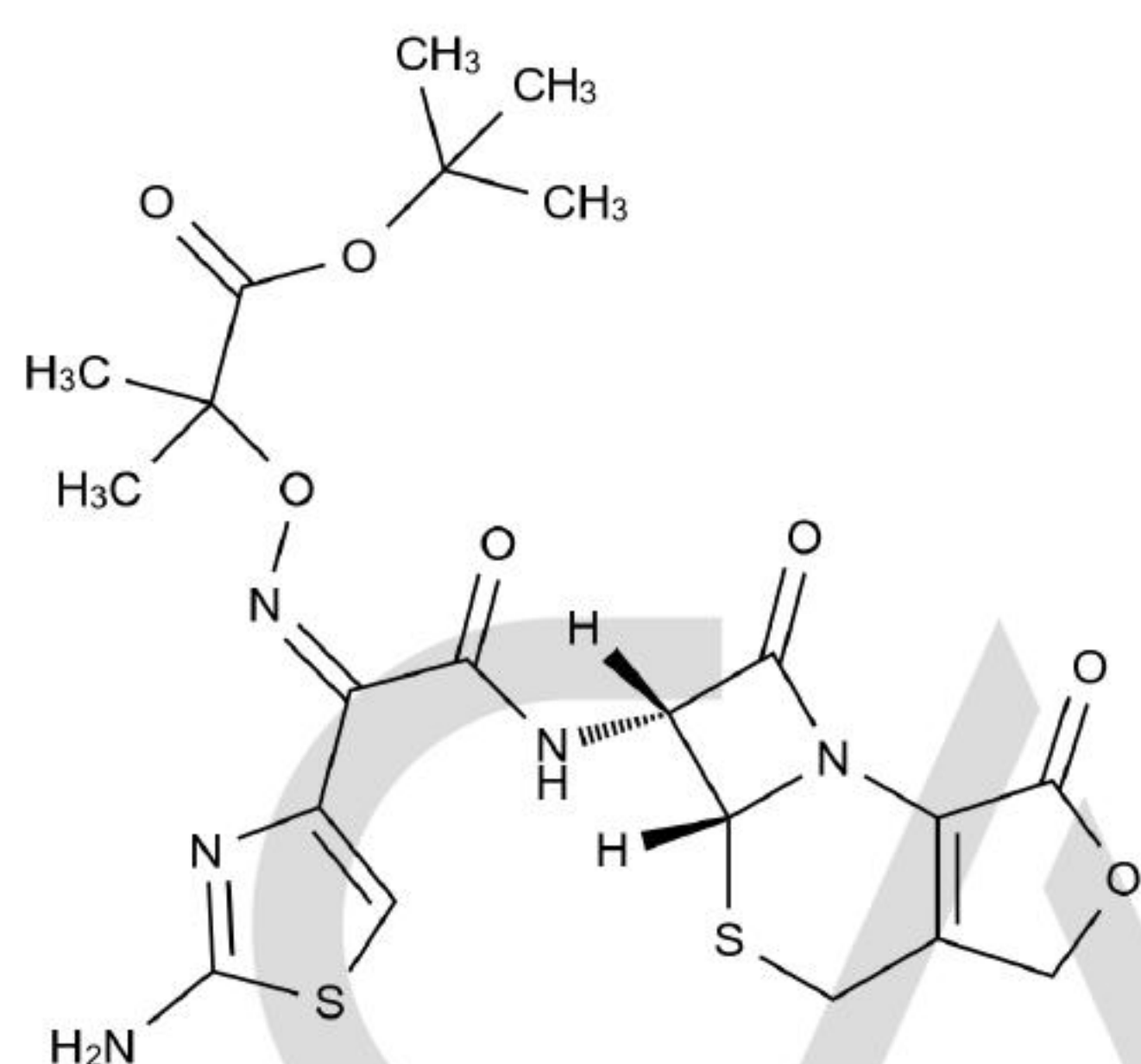


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                                              |                   |                                           |
|--------------------|------------------------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Ceftazidime Impurity 42                                                      | Catalogue Number: | C4X-121242                                |
| Synonyms:          | N/A                                                                          | Lot Number:       | 1213-RE-0066                              |
| CAS Number:        | N/A                                                                          | Expiry Date:      | Aug 08, 2025                              |
| Molecular Formula: | C <sub>21</sub> H <sub>25</sub> N <sub>5</sub> O <sub>7</sub> S <sub>2</sub> | Storage:          | -20°C±5°C Protected from light and Sealed |
| Molecular Weight:  | 523.58                                                                       |                   |                                           |

Chemical Structure:



| Test Items     | Method            | Results         |
|----------------|-------------------|-----------------|
| Appearance     | Visual inspection | Off-White Solid |
| Identification | LCMS&HNMR         | Confirmed       |
| Purity         | HPLC              | 98.8%           |
| Assay          | qNMR              | 95.2%           |

## Comment:

Assay was determined by quantitative <sup>1</sup>H-NMR.

## Signature:

Prepared by:

*Lily*

Reviewed by:

*Hinlam*

Aporoved by General Manager:

*David*

Date: Dec 15, 2023

Date: Dec 15, 2023

Date: Dec 15, 2023

