

# Certificate of Analysis

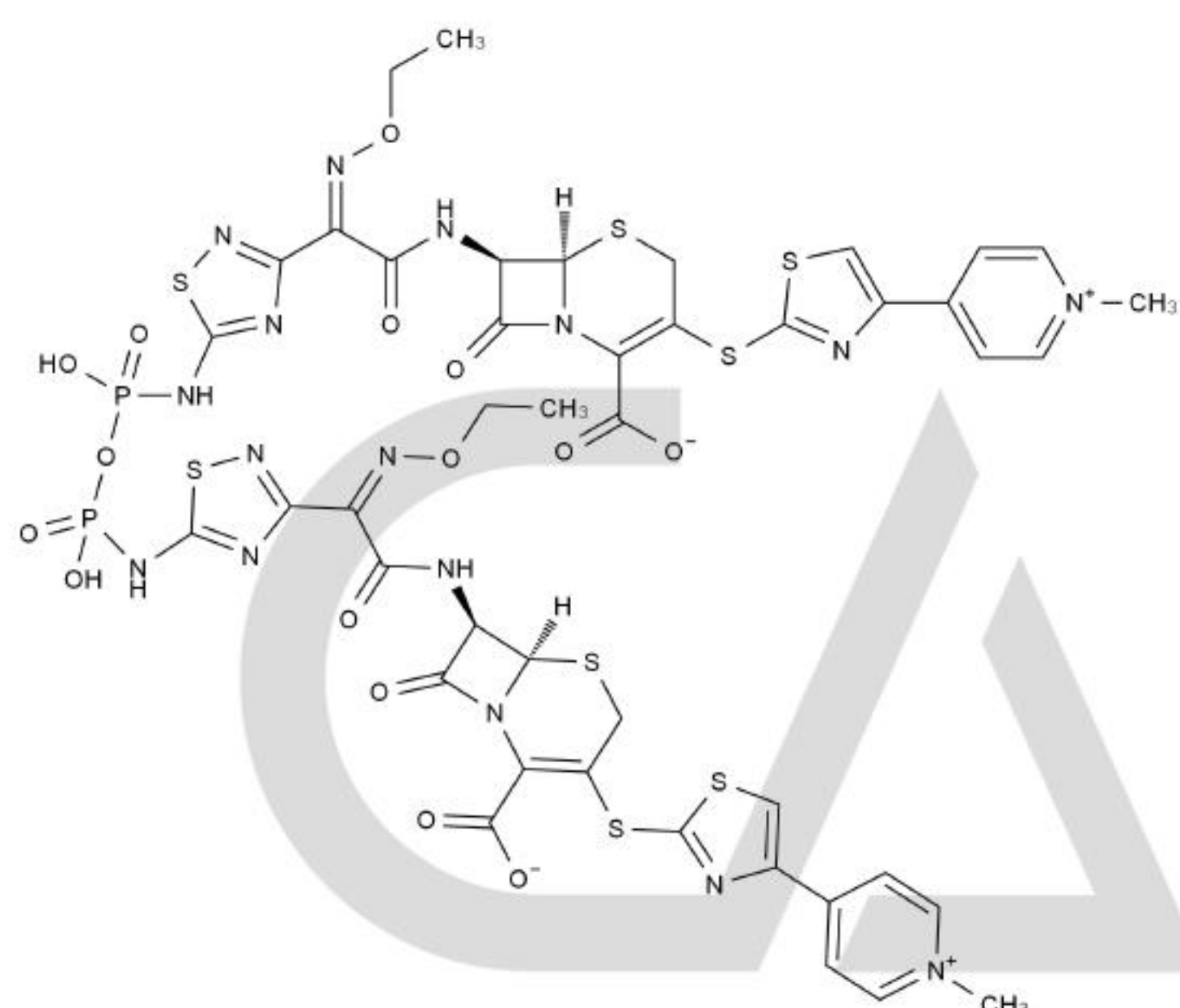
## Reference Material & Standard

|                    |                                                                                               |                     |                                           |
|--------------------|-----------------------------------------------------------------------------------------------|---------------------|-------------------------------------------|
| Product Name:      | Ceftaroline Impurity 3                                                                        | Catalogue Number:   | C4X-14833                                 |
| Synonyms:          | N/A                                                                                           | Lot Number:         | 1209-RG-0010                              |
| CAS Number:        | 1286218-68-5                                                                                  | Expiry Date:        | Jul 08, 2027                              |
| Molecular Formula: | C <sub>44</sub> H <sub>40</sub> N <sub>16</sub> O <sub>15</sub> P <sub>2</sub> S <sub>8</sub> | Storage:            | -20°C±5°C Protected from light and Sealed |
| Molecular Weight:  | 1351.35                                                                                       | Shipping Condition: | Shipping with Ice Packs                   |

Warning:



Chemical Structure:



| Test Items     | Method            | Results           |
|----------------|-------------------|-------------------|
| Appearance     | Visual inspection | Pale Yellow Solid |
| Identification | LCMS&CNMR&HNMR    | Confirmed         |
| Purity         | HPLC              | 90.9%             |
| Assay          | qNMR              | 87.5%             |

Signature:

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Approved by General Manager:

*David*

Date: Dec 12, 2025

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