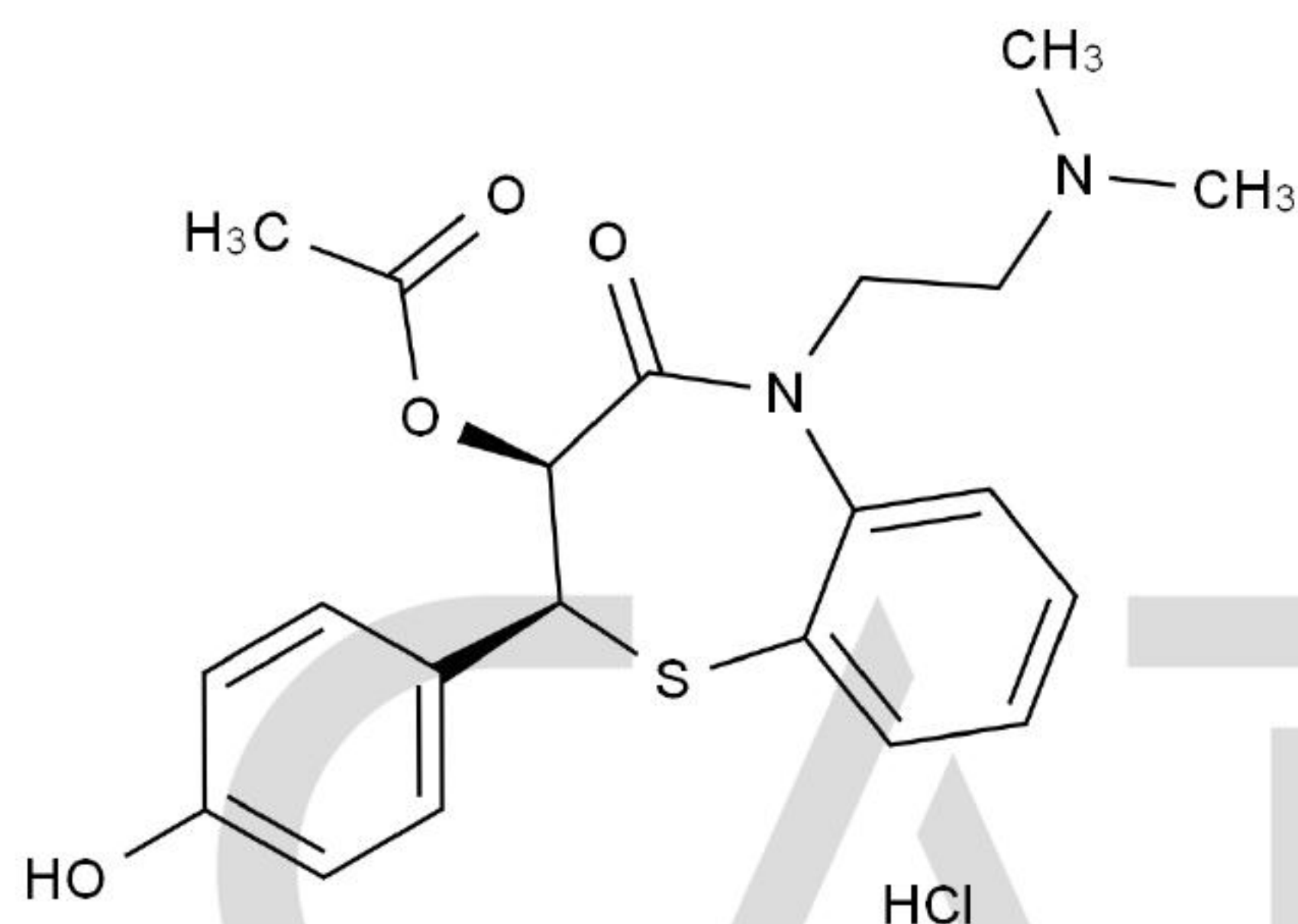


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                                     |                          |                                           |
|---------------------------|---------------------------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Diltiazem EP Impurity C HCl                                         | <b>Catalogue Number:</b> | C4X-13684                                 |
| <b>Synonyms:</b>          | N/A                                                                 | <b>Lot Number:</b>       | 0720-RE-0011                              |
| <b>CAS Number:</b>        | 1286126-67-7                                                        | <b>Expiry Date:</b>      | Aug 17, 2029                              |
| <b>Molecular Formula:</b> | C <sub>21</sub> H <sub>24</sub> N <sub>2</sub> O <sub>4</sub> S HCl | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 400.49 36.46                                                        |                          |                                           |

Chemical Structure:



| Test Items     | Method            | Results                  |
|----------------|-------------------|--------------------------|
| Appearance     | Visual inspection | White to Off-White Solid |
| Identification | LCMS&CNMR&HNMR    | Confirmed                |
| Purity         | HPLC              | 98.7%                    |
| Assay          | qNMR              | 86.8%                    |

Signature:

Prepared by:

*Koi*

Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Aug 18, 2025

Date: Aug 18, 2025

Date: Aug 18, 2025

