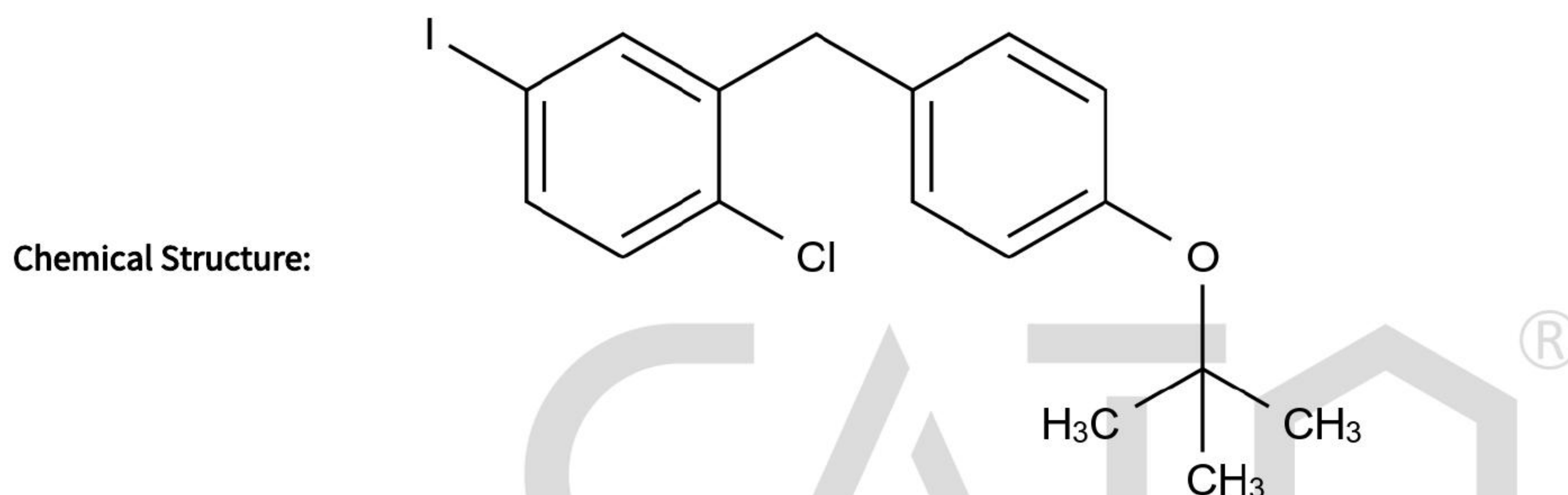


# Certificate of Analysis

## Reference Material & Standard

|                           |                                      |                          |                                           |
|---------------------------|--------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Empagliflozin impurity 222           | <b>Catalogue Number:</b> | C4X-1065222                               |
| <b>Synonyms:</b>          | N/A                                  | <b>Lot Number:</b>       | 0507-RF-0022                              |
| <b>CAS Number:</b>        | N/A                                  | <b>Expiry Date:</b>      | May 16, 2027                              |
| <b>Molecular Formula:</b> | C <sub>17</sub> H <sub>18</sub> ClIO | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 400.68                               |                          |                                           |



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | IR&UV&CNMR&HNMR   | Confirmed   |
| Purity         | HPLC              | 99.010%     |
| Loss On Drying | TGA               | 0.3250%     |
| Assay          |                   | 98.7%       |

## Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) \* Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

## Signature:

Prepared by:

*Koi*

Reviewed by:

*Lisa*

Aproved by General Manager:

*David*

Date: May 17, 2024

Date: May 17, 2024

Date: May 17, 2024

