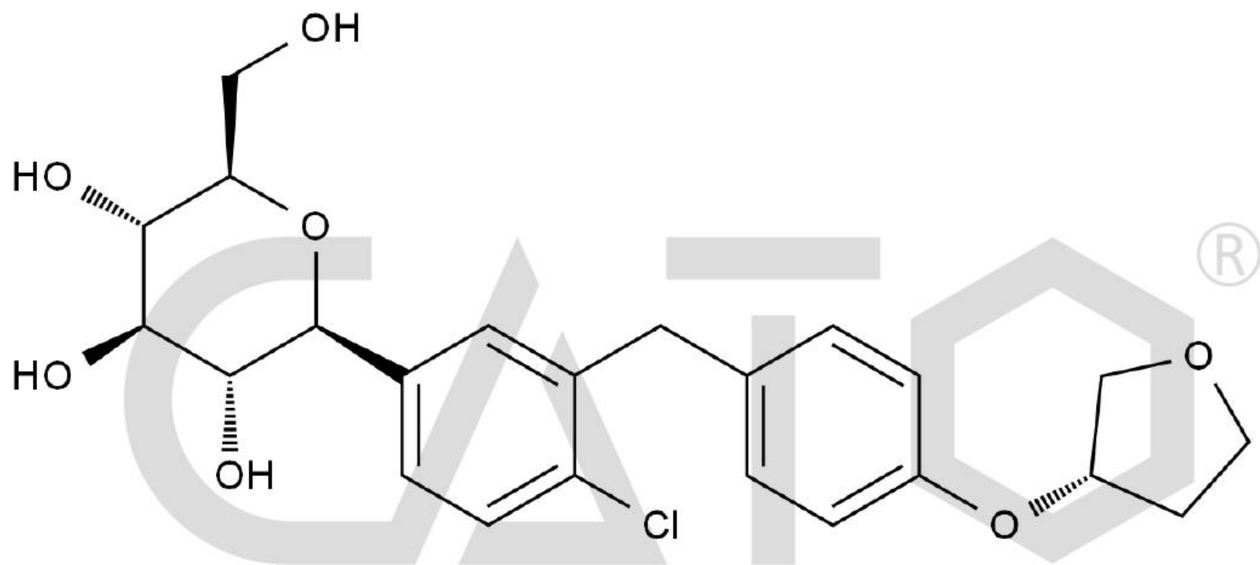
Certificate of Analysis

Reference Material & Standard

Product Name:	Empagliflozin	**Catalogue Number:**	C4X-1065
Synonyms:	N/A	**Lot Number:**	1118-RG-0046
CAS Number:	864070-44-0	**Expiry Date:**	Nov 30, 2029
Molecular Formula:	$C_{23}H_{27}ClO_7$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	450.91	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Acetonitrile	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	100.000%
Residue on Ignition	TGA	0.6501%
Loss on Drying	TGA	0.0297%
Assay	Mass Balance	99.3%

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Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Residue on Ignition-Loss on Drying) * Purity HPLC (%) /100%*
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Koi — Date: Oct 27, 2026

Reviewed by: Hinlam — Date: Oct 27, 2026

Approved by General Manager: David — Date: Oct 27, 2026

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