

Certificate of Analysis

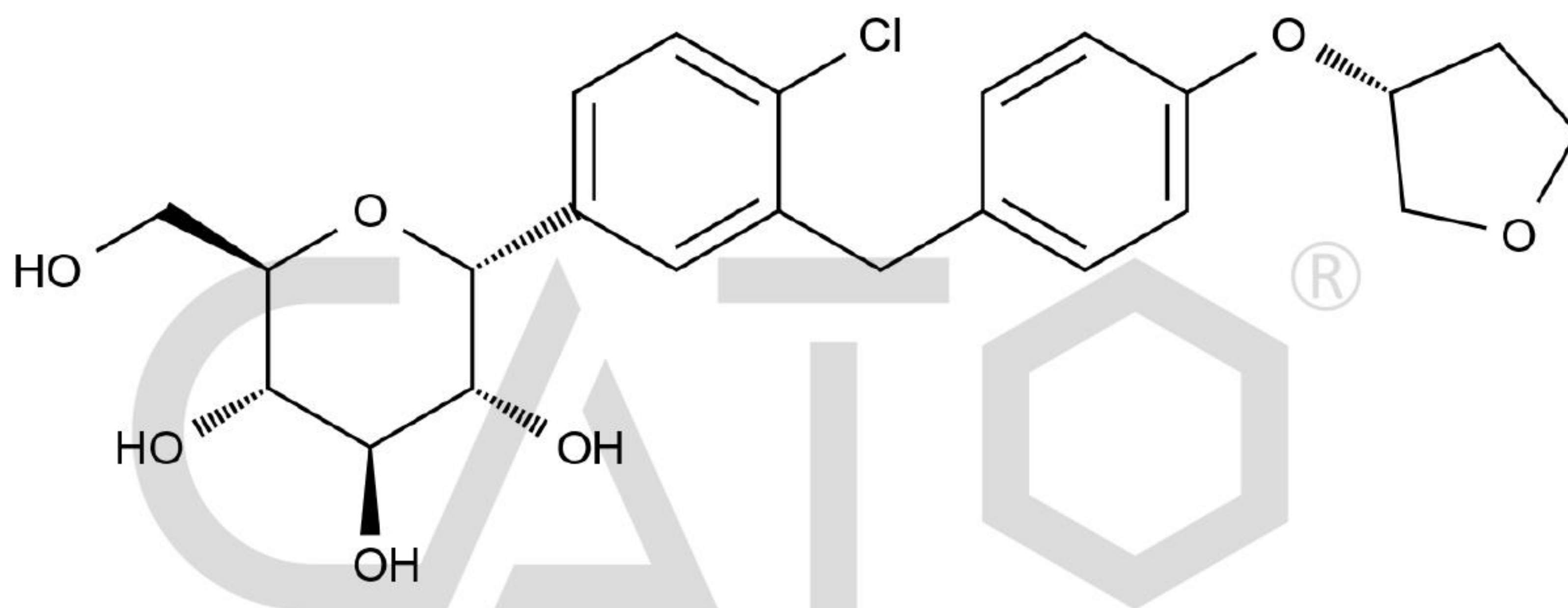
Reference Material & Standard

Product Name:	Empagliflozin Impurity 10	Catalogue Number:	C4X-106510
Synonyms:	N/A	Lot Number:	0628-RH-0146
CAS Number:	2452301-42-5	Expiry Date:	May 28, 2030
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

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	99.028%
Water Content	Karl Fischer	0.20%
Residual Solvents	NMR	0.10% acetonitrile
Assay		98.7%

Comment:

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

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Jun 30, 2026

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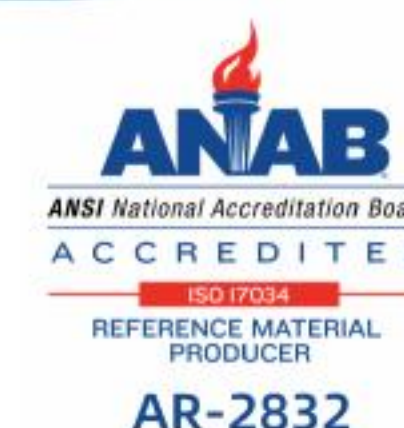
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

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