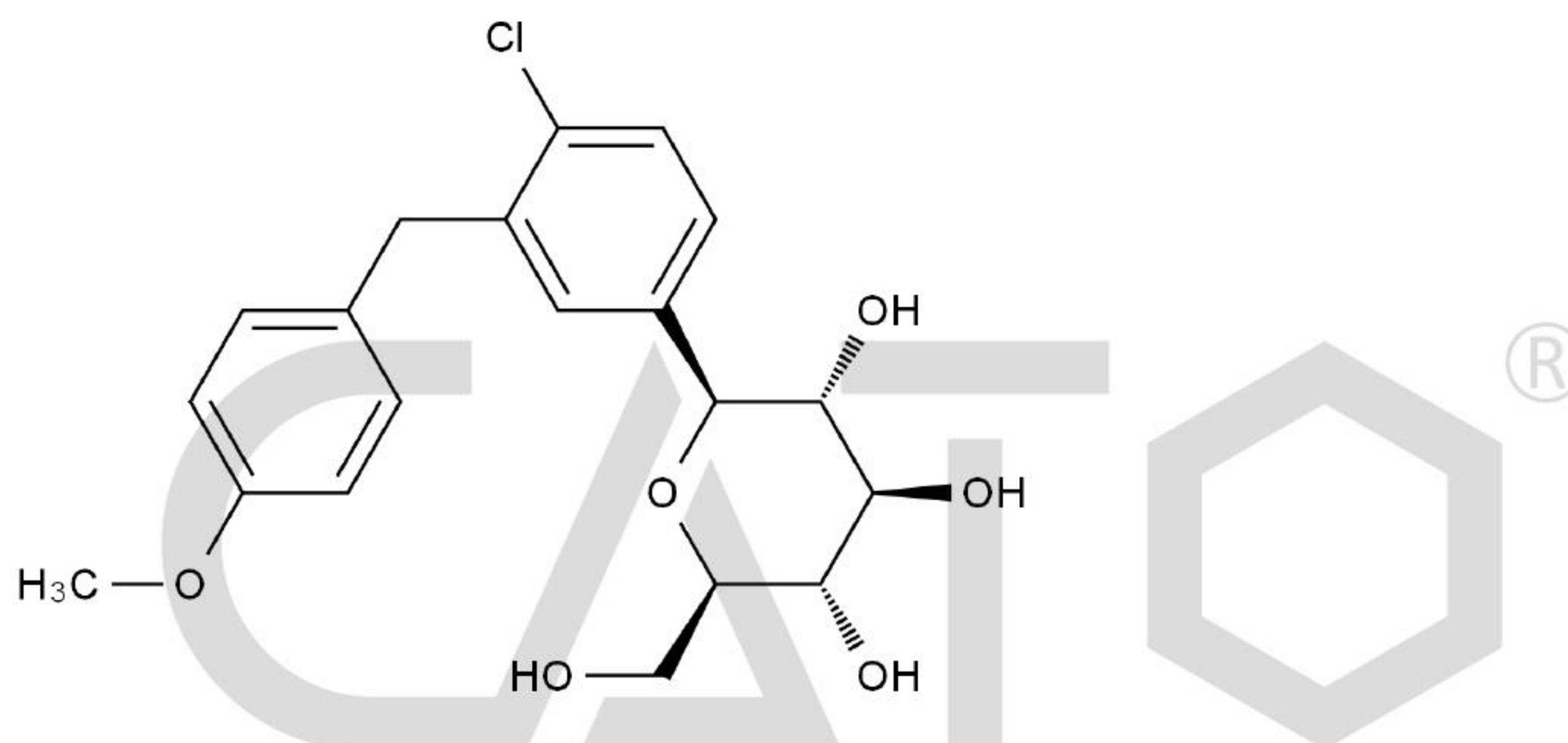


Certificate of Analysis

Reference Material & Standard

Product Name:	Empagliflozin Impurity N6	Catalogue Number:	CP133533
Synonyms:	N/A	Lot Number:	0731-RF-0042
CAS Number:	333359-90-3	Expiry Date:	Jul 15, 2027
Molecular Formula:	C ₂₀ H ₂₃ ClO ₆	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	394.85	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	HRMS&HNMR	Confirmed
Purity	HPLC	99.832%
Water Content	Karl Fischer	0.53%
Residual Solvents	NMR	Not detected in NMR
Assay		99.3%

Comment:

The calculation of the 100% 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:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Jul 31, 2024

Date: Jul 31, 2024

Date: Jul 31, 2024

