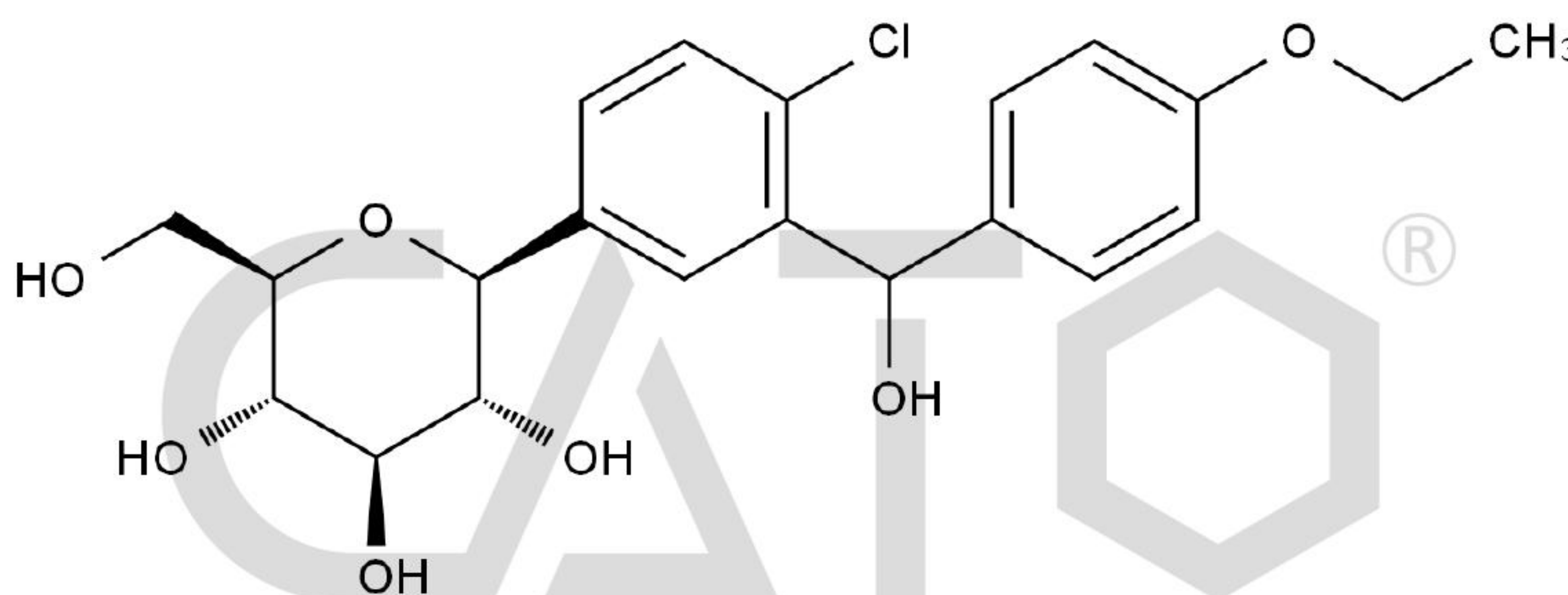


Certificate of Analysis

Reference Material & Standard

Product Name:	Dapagliflozin Impurity 19	Catalogue Number:	C4X-113819
Synonyms:	(2S,3R,4R,5S,6R)-2-{4-Chloro-3-[(4-ethoxyphenyl)(hydroxy)methyl]phenyl}-6-(hydroxymethyl)tetrahydro-2H-pyran-3,4,5-triol	Lot Number:	1218-RG-0084
CAS Number:	1204222-85-4	Expiry Date:	Dec 22, 2029
Molecular Formula:	C ₂₁ H ₂₅ ClO ₇	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	424.87	Shipping Condition:	Shipping at Room Temperature
Solubility:	Soluble in Acetonitrile and DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.571%
Residue on Ignition	TGA	0.6351%
Loss On Drying	TGA	1.2671%
Assay	qNMR	96.7%
Assay	Mass Balance	97.7%

Comment:

- The retest date of this product is Dec 22, 2028.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Alice

Approved by General Manager:

David

Date: Dec 23, 2025

Date: Dec 23, 2025

Date: Dec 23, 2025

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