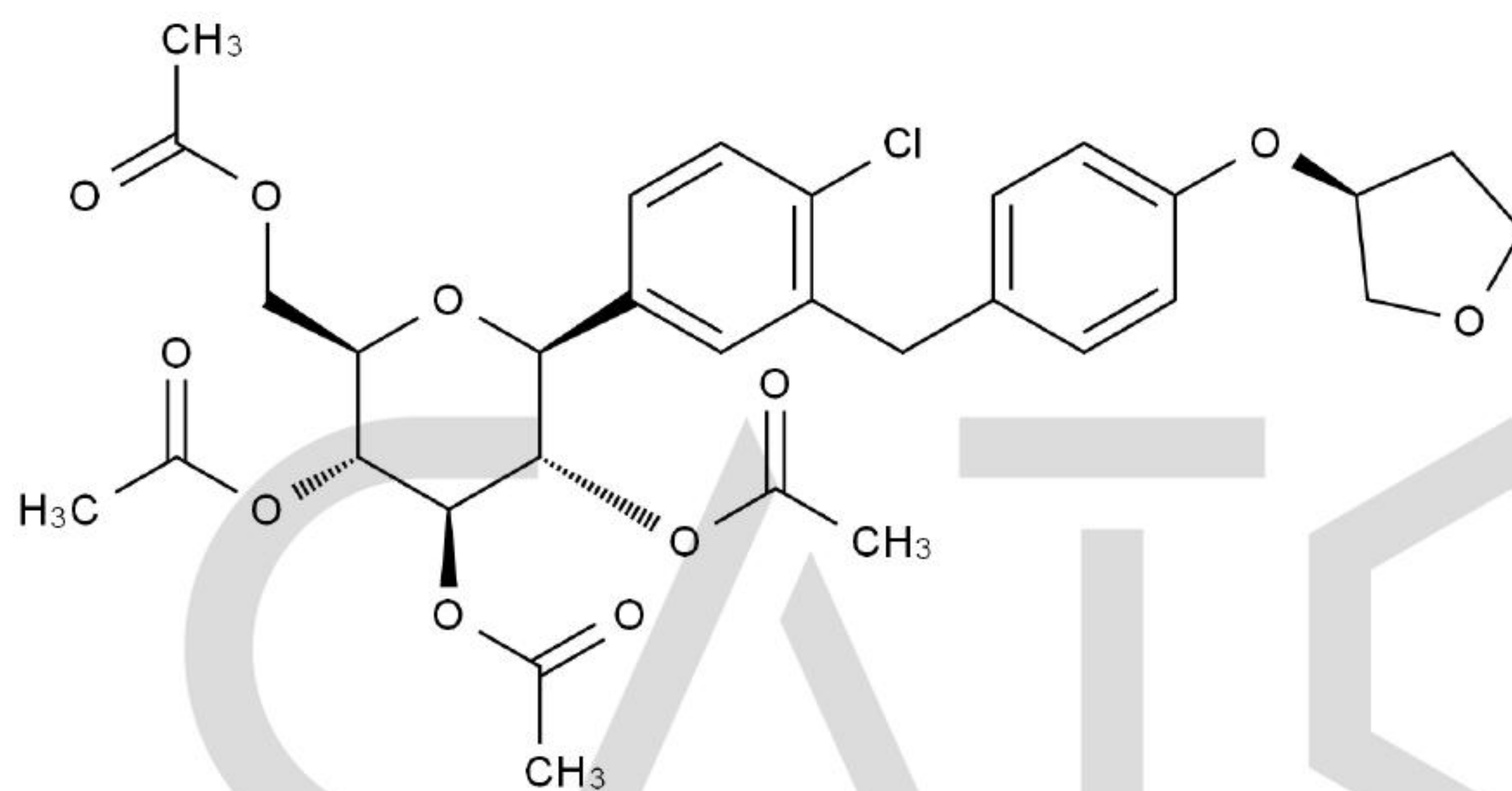


Certificate of Analysis

Reference Material & Standard

Product Name:	Empagliflozin Impurity 47	Catalogue Number:	C4X-106547
Synonyms:	N/A	Lot Number:	0813-RG-0059
CAS Number:	915095-99-7	Expiry Date:	Aug 12, 2029
Molecular Formula:	C ₃₁ H ₃₅ ClO ₁₁	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	619.06	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	99.679%
Loss on Drying	TGA	1.8386%
Assay		97.8%

Comment:

The calculation of the mass balance 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

Approved by General Manager:

David

Date: Apr 07, 2026

Date: Apr 07, 2026

Date: Apr 07, 2026



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