

# CERTIFICATE OF ANALYSIS

(Certificate No. KME010098-01)

Release Date: 07/08/2025

Re-test Date: 06/08/2028

## Empagliflozin Methyl Impurity

### Identification

**Chemical Name :**

(2S,3R,4R,5S,6R)-2-(4-Chloro-3-(4-methoxybenzyl)phenyl)-6-(hydroxymethyl)tetrahydro-2H-pyran-3,4,5-triol

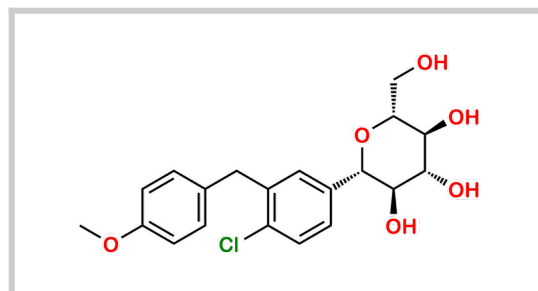
**Alt. Name** : Methoxy analog of Empagliflozin

**CAT No.** : KME010098

**CAS No.** : 333359-90-3

**Molecular Formula** : C<sub>20</sub>H<sub>23</sub>ClO<sub>6</sub>

**Molecular Weight** : 394.8



### Analytical Information

**Batch No.** : EMPA-METHYL-045-286

**Description** : Off White Solid

**HPLC Purity** : 98.15 %

**Weight Loss By TGA** : 3.91 %

**% Potency** : 94.31 %

**Solubility** : Acetonitrile

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

### Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be Shipped at Room Temperature

**% Potency** = [100 - 3.91(Weight Loss By TGA)] x [98.15(HPLC Purity)]/100 = 94.31 %

-Re-tested on 07.08.2025

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		08/08/2025
Reviewed & Approved By	Quality Control	Jatin Patel		08/08/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA