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

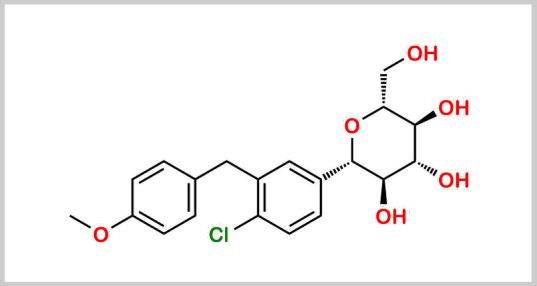
Alt. Name : Methoxy analog of Empagliflozin

CAT No. : KME010098

CAS No. : 333359-90-3

Molecular Formula : C20H23ClO6

Molecular Weight : 394.8



Analytical Information

Batch No.	: EMPA-METHYL-045-286	**Solubility**	: Acetonitrile
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 98.15 %	**IR**	: Confirm
Weight Loss By TGA	: 3.91 %	**1H NMR**	: Confirm
% Potency	: 94.31 %		

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, 1HNMR, IR and TGA