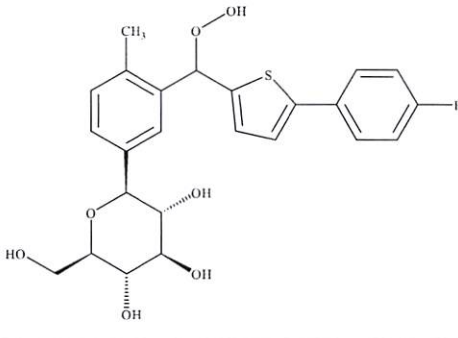


Certificate of Analysis



Certificate No.: 20251007504

Date: October 7, 2025

Retest date: October 2, 2026

Compound Name:	Canagliflozin Impurity 16	
Synonyms:	(2R,3S,4R,5R,6S)-6-(3-{{5-(p-fluorophenyl)-2-thienyl} hydroperoxyl-methyl} -4-tolyl)-2-(hydroxymethyl)tetrahydro-4H-pyran-3,4,5-triol	
TLC Catalogue Number:	C-152028	
CAS Number:	2247196-28-5	
Alternate CAS Number:	N/A	
Molecular Weight:	476.52	
Molecular Formula:	C ₂₄ H ₂₅ FO ₇ S	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	C0246-059A7	
Storage Conditions:	Protect from light and air, store at -20 °C	
Solubility:	Methanol, DMSO	

Test Description	Specifications	Results
Visual Description	Yellow solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 85.0%	90.9%
Impurity (HPLC)	RT 1.02, 0.23%; RT 1.14, 4.76%; RT 5.69, 3.27%	
Water Content (KF)	N/A	0.6%
Residual Solvents (NMR)	0.4% methanol and 3.9% dichloromethane	
Assay (%)	Not less than 80.0%	86.4%
Recommendation:	<p>Release. The compound is a hydroperoxide product. Avoid using metal spatula and applying pressure. Wear proper personal protective equipment when handling. It is unstable and can easily deteriorate. It should be stored as the storage condition stated in COA, and to be used immediately upon received.</p>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		10/07/2025
Approved by:	Quality Assurance		10/07/2025

Attachments: Peak Attribution Table, HPLC, IR, MS and NMR spectra.