

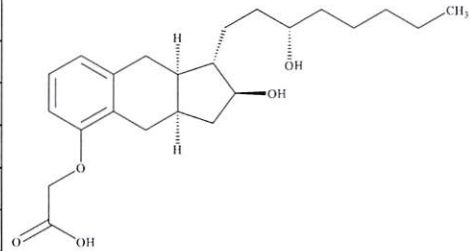
Certificate of Analysis

Certificate No.: 20260622501



Date: June 22, 2026

Retest date: June 16, 2029

Compound Name: Treprostinil Impurity 11	
Synonyms:	2-[[[(1S,2S,3aR,9aR)-2,3,3a,4,9,9a-hexahydro-2-hydroxy-1-[(3S)-3-hydroxyoctyl]-1H-benz[f]inden-5-yl]oxy]-acetic acid
TLC Catalogue Number:	T-8323
CAS Number:	1911575-29-5
Alternate CAS Number:	N/A
Molecular Weight:	390.52
Molecular Formula:	C ₂₃ H ₃₄ O ₅
Source:	TLC Pharmaceutical Standards
Source Lot No.:	C0292-017A10
Storage Conditions:	Store at 2-8 °C
Solubility:	Methanol



Test Description	Specifications	Results
Visual Description	White to off-white 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 90.0%	96.0%
Impurity (HPLC)	RT 6.55, 1.41%; RT 6.95, 1.57%; RT 8.85, 0.41%	
Water Content (KF)	N/A	0.8%
Residual Solvents (NMR)	0.6% ethyl acetate	
Assay (%)	Not less than 85.0%	94.7%
Recommendation:	Release. The compound contains 3.0% isomeric impurity (RT 6.55 and RT 6.95) according to its HPLC and LC-MS.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/22/2026
Approved by:	Quality Assurance		06/22/2026

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