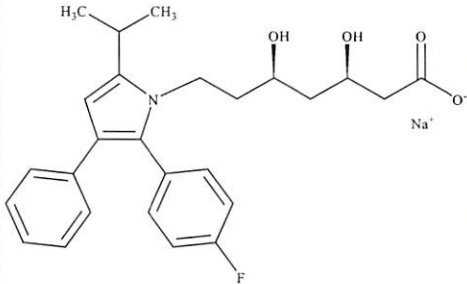


Certificate of Analysis

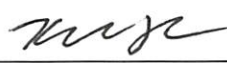
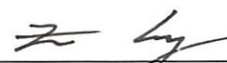
Certificate No.: 20250827505-2

Date: August 27, 2025

Retest date: August 25, 2028

Compound Name:	Atorvastatin Impurity 84 Sodium Salt	
Synonyms:	(3R,5R)-7-(2-(4-fluorophenyl)-5-isopropyl-3-phenyl-1H-pyrrol-1-yl)-3,5-dihydroxyheptanoic acid, sodium salt (1:1)	
TLC Catalogue Number:	A-12122	
CAS Number:	N/A	
Alternate CAS Number:	2247346-41-2 (free acid)	
Molecular Weight:	438.52 22.99	
Molecular Formula:	C ₂₆ H ₂₉ FNO ₄ Na	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	3866-049A4	
Storage Conditions:	Store at 2-8 °C	
Solubility:	Methanol, DMSO, DMF	

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
Elemental Analysis	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	97.2%
Impurity (HPLC)	RT 2.00, 0.64%; RT 4.11, 0.97%; RT 6.79, 0.27%	
Optical Rotation	N/A	$[\alpha]_D^{25.0}(c=0.39, CH_3OH): +0.7^\circ$
Residual Solvents (NMR)	0.7% methanol and 0.1% dichloromethane	
Assay (qNMR)	Not less than 90.0%	93.6%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		12/15/2025
Approved by:	Quality Assurance		12/15/2025

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