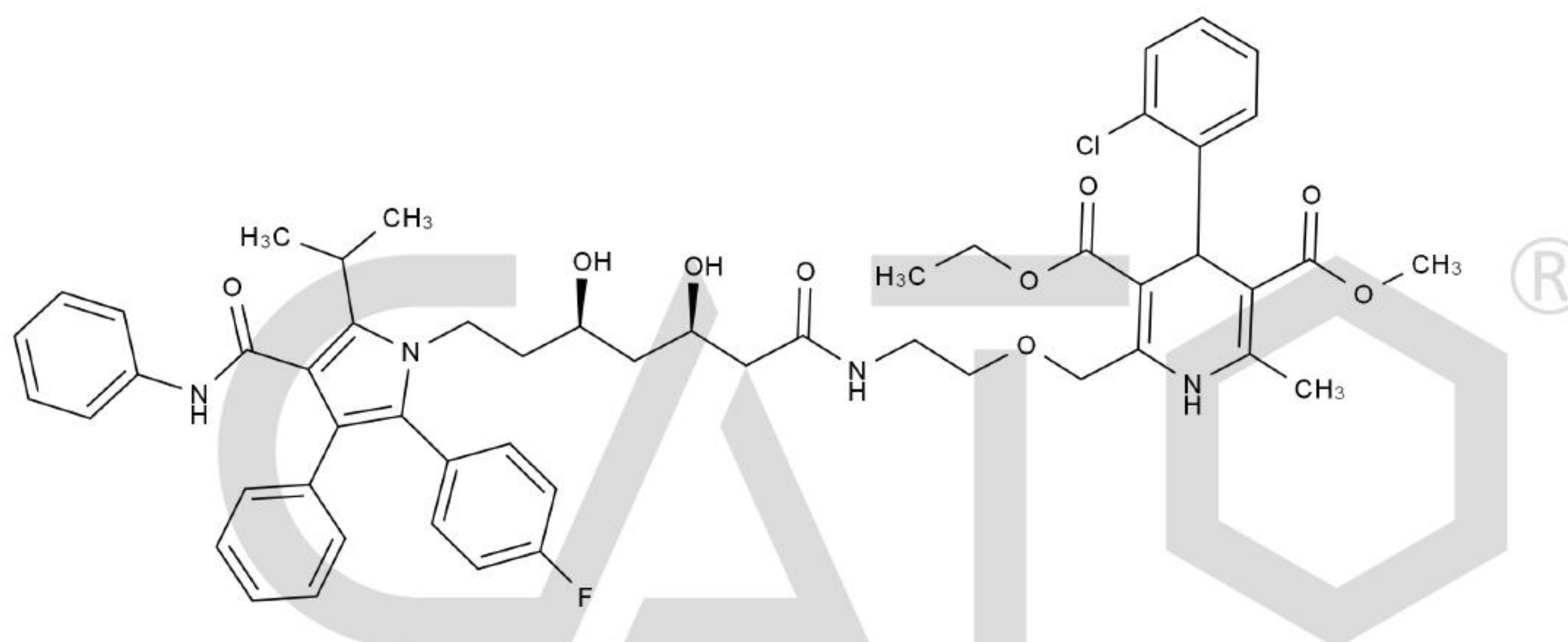


Certificate of Analysis

Reference Material & Standard

Product Name:	Atorvastatin Impurity 57	Catalogue Number:	C4X-113257
Synonyms:	3-Ethyl 5-methyl 4-(2-chlorophenyl)-2-[[2-((3R,5R)-7-[2-(4-fluorophenyl)-5-isopropyl-3-phenyl-4-(phenylcarbamoyl)-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoyl]amino)ethoxy]methyl]-6-methyl-1,4-dihydro-3,5- pyridinedicarboxylate	Lot Number:	1105-RG-0018
CAS Number:	425408-16-8	Expiry Date:	Nov 12, 2029
Molecular Formula:	C ₅₃ H ₅₈ ClFN ₄ O ₉	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	949.50	Shipping Condition:	Shipping at Room Temperature
Solubility:	Soluble in Acetonitrile and DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	96.502%
Residue on Ignition	TGA	0.3684%
Loss On Drying	TGA	0.4510%
Assay	qNMR	94.9%
Assay	Mass Balance	95.7%

Comment:

- The retest date of this product is Nov 12, 2028.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Alice

Approved by General Manager:

David

Date: Nov 13, 2025

Date: Nov 13, 2025

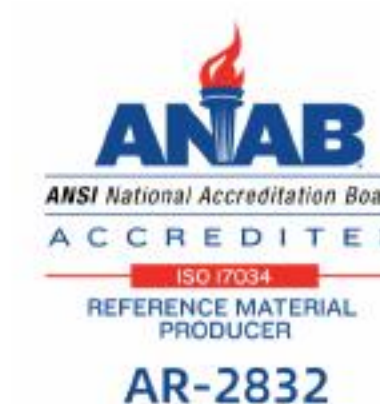
Date: Nov 13, 2025

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