# CERTIFICATE OF ANALYSIS

(Certificate No. KMA002080-02)

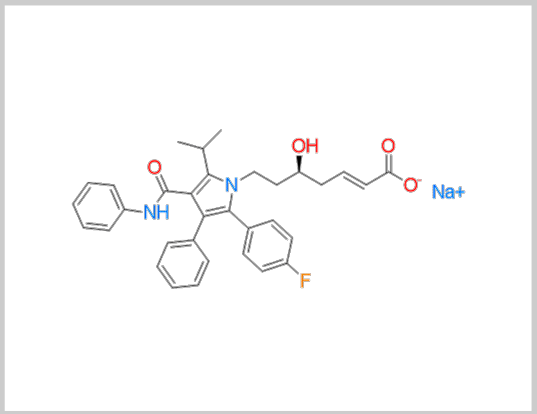
**Release Date:** 06/04/2026 **Re-test Date:** 05/04/2029

## Atorvastatin 3-deoxyhept-2-enoic acid Impurity (Impurity J)

## Identification

**Chemical Name** :
(2E,5S)-7-[2-(4-fluorophenyl)-3-phenyl-4-(phenylcarbamoyl)-5-(propan-2-yl)-1H-pyrrol-1-yl]-5-hydroxyhept-2-enoic acid (as per EP); (S,E)-7-[2-(4-Fluorophenyl)-5-isopropyl-3-phenyl-4-(phenylcarbamoyl)-1H-pyrrol-1-yl]-5-hydroxyhept-2-enoic acid (as per USP); Atorvastatin 3-Deoxy-Hept-2-Enoic Acid Na Salt

| | |
|---|---|
| **Alt. Name** | : Atorvastatin 3-Deoxy-Hept-2-Enoate (Calcium Salt) (USP) ; 2,3-Anhydro Atorvastatin ; Dehydro Atorvastatin Acid |
| **CAT No.** | : KMA002080 |
| **CAS No.** | : Not Available; 1105067-93-3 (Free Base) |
| **Molecular Formula** | : C33H32FN2O4 : Na |
| **Molecular Weight** | : 539.6 : 23 |




## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : A002080-114-239 | **Solubility** | : Methanol |
| **Description** | : White Solid | **Mass** | : Confirm |
| **HPLC Purity** | : 94.97 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 2.16 % | **1H NMR** | : Confirm |
| **% Potency** | : 92.92 % | | |

## 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 - 2.16(Weight Loss By TGA)] x [94.97(HPLC Purity)]/100 = 92.92 %

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 06/04/2026 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 06/04/2026 |

**Attachments** : COA, HPLC, MASS, 1HNMR, IR and TGA