# **CERTIFICATE OF ANALYSIS**

(Certificate No. KML001001-03)

**Release Date:** 02/06/2025 **Re-test Date:** 01/06/2028

## **Lovastatin Keto Impurity**

### **Identification**

#### **Chemical Name:**

(8aR)-8-(2-((2R,4S)-4-hydroxy-6-oxotetrahydro-2H-pyran-2-yl)ethyl)-3,7-dimethyl-1,2,3,7,8,8a-hexahydronaphthalen-1-yl 2-methyl-3-oxobutanoate

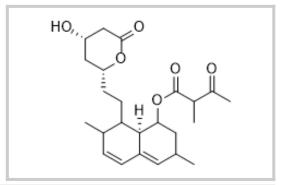
**Alt. Name** : Keto Lovastatin

: C24H34O6

**CAT No.** : KML001001

**CAS No.** : 96497-73-3

**Molecular Weight** : 418.5



## **Analytical Information**

**Molecular Formula** 

Description: Off White SolidMass: ConfirmHPLC Purity: 94.22 %IR: ConfirmWeight Loss By TGA: 1.56 %1H NMR: Confirm

**% Potency** : 92.75 %

### **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 - 1.56(Weight Loss By TGA)] x [94.22(HPLC Purity)]/100 = 92.75 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		02/06/2025
Reviewed & Approved By	Quality Control	Jatin Patel		02/06/2025

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