

# CERTIFICATE OF ANALYSIS

(Certificate No. KML001001-02)

Release Date: 15/06/2024

Re-test Date: 14/06/2027

## 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

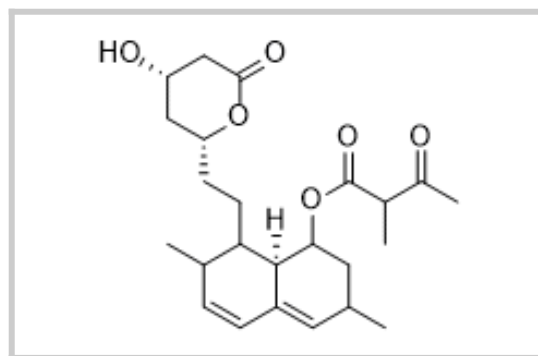
**Alt. Name** : Keto Lovastatin

**CAT No.** : KML001001

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

**Molecular Formula** : C<sub>24</sub>H<sub>34</sub>O<sub>6</sub>

**Molecular Weight** : 418.5



### Analytical Information

**Batch No.** : LOV-KETO-073-262

**Description** : Off White Solid

**HPLC Purity** : 96.64 %

**Weight Loss By TGA** : 0.71 %

**% Potency** : 95.95 %

**Solubility** : ACN

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

### 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 - 0.71(Weight Loss By TGA)] x [96.64(HPLC Purity)]/100 = 95.95 %

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		15/06/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		15/06/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA