

# CERTIFICATE OF ANALYSIS

(Certificate No. KML001004-03)

Release Date: 24/07/2025

Re-test Date: 23/07/2028

## Lovastatin Related Compound A

### Identification

**Chemical Name :**

(S)-(1S,3S,4aR,7S,8S,8aS)-8-(2-((2R,4R)-4-hydroxy-6-oxotetrahydro-2H-pyran-2-yl)ethyl)-3,7-dimethyl-1,2,3,4,4a,7,8,8a-octahydronaphthalen-1-yl 2-methylbutanoate (Mixture of Isomer)

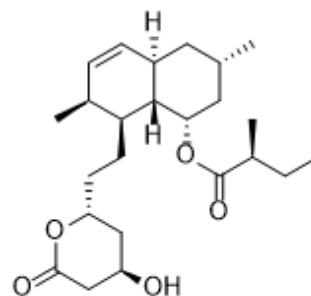
**Alt. Name** : Lovastatin USP Related Compound A  
; 4,4a-dihydrolovastatin

**CAT No.** : KML001004

**CAS No.** : 77517-29-4

**Molecular Formula** : C<sub>24</sub>H<sub>38</sub>O<sub>5</sub>

**Molecular Weight** : 406.56



### Analytical Information

**Batch No.** : L001004-102-143

**Description** : Colorless Thick Syrup

**HPLC Purity** : 99.73 %

**Weight Loss By TGA** : 3.18 %

**% Potency** : 96.56 %

**Solubility** : Acetonitrile

**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 - 3.18(Weight Loss By TGA)] x [99.73(HPLC Purity)]/100 = 96.56 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		24/07/2025
Reviewed & Approved By	Quality Control	Jatin Patel		24/07/2025

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