

# CERTIFICATE OF ANALYSIS

(Certificate No. KML001004-06)

Release Date: 12/03/2026

Re-test Date: 11/03/2029

## 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)

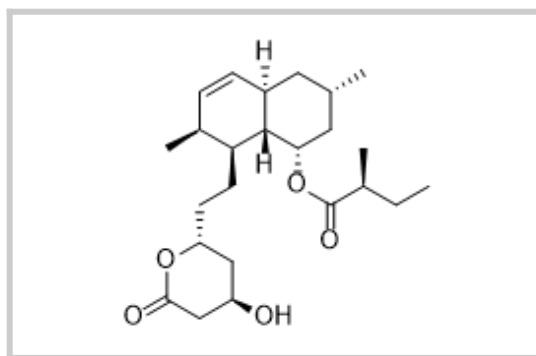
**Alt. Name** : Lovastatin USP Related Compound A  
; 4,4a-dihydrolovastatin

**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.** : L001004-114-203

**Description** : Colorless Thick Syrup

**HPLC Purity** : 99.42 %

**Weight Loss By TGA** : 2.16 %

**% Potency** : 97.27 %

**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 - 2.16(Weight Loss By TGA)] x [99.42(HPLC Purity)]/100 = 97.27 %  
-Mixture of isomer

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		13/03/2026
Reviewed & Approved By	Quality Control	Jatin Patel		13/03/2026

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