

CERTIFICATE OF ANALYSIS

(Certificate No. KML001004-02)

Release Date: 05/09/2024

Re-test Date: 04/09/2027

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)

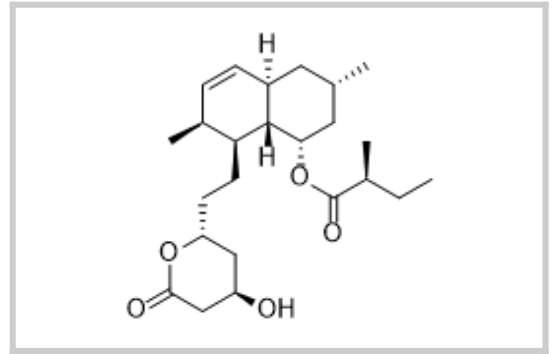
Alt. Name : Lovastatin USP Related Compound A
; 4,4a-dihydrolovastatin

CAT No. : KML001004

CAS No. : 77517-29-4

Molecular Formula : C₂₄H₃₈O₅

Molecular Weight : 406.56



Analytical Information

Batch No. : L001004-073-366

Description : Colorless Thick Syrup

HPLC Purity : 99.85 %

Weight Loss By TGA : 1.95 %

% Potency : 97.9 %

Solubility : Acetonitrile

Mass : Confirm

IR : Confirm

¹H 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 - 1.95(Weight Loss By TGA)] x [99.85(HPLC Purity)]/100 = 97.9 %

Recommendation : Released

| | Department | Name | Signature | Date |
|------------------------|-----------------|---------------|-----------|------------|
| Prepared By | Analytical | Jignesh Patel | | 05/09/2024 |
| Reviewed & Approved By | Quality Control | Jatin Patel | | 05/09/2024 |

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA