

CERTIFICATE OF ANALYSIS

(Certificate No. KML001004-02)

Release Date: 22/01/2026

Re-test Date: 21/01/2029

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)

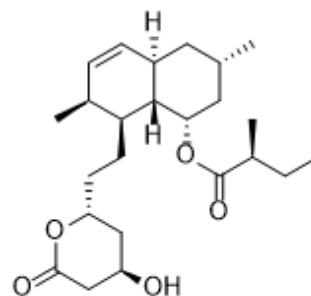
Alt. Name : Lovastatin USP Related Compound A
; 4,4a-dihydrolovastatin

CAT No. : KML001004

CAS No. : 77517-29-4

Molecular Formula : C₂₄H₃₈O₅

Molecular Weight : 406.56



Analytical Information

Batch No. : L001004-114-108

Solubility : ACN

Description : Colorless Thick Syrup

Mass : Confirm

HPLC Purity : 97.53 %

IR : Confirm

Weight Loss By TGA : 3.32 %

¹H NMR : Confirm

% Potency : 94.29 %

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 - 3.32(Weight Loss By TGA)] x [97.53(HPLC Purity)]/100 = 94.29 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		23/01/2026
Reviewed & Approved By	Quality Control	Jatin Patel		23/01/2026

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