CERTIFICATE OF ANALYSIS

(Certificate No. KML001004-06)

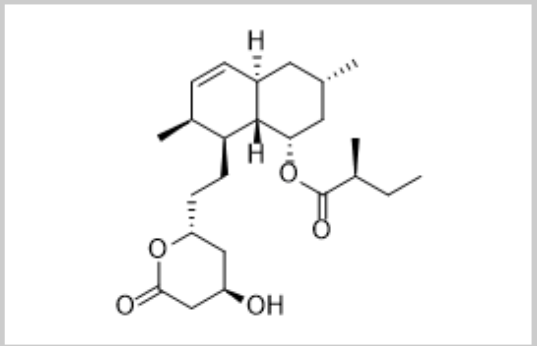
Release Date: 12/03/2026 **Re-test Date:** 11/03/2029

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	: C24H38O5
Molecular Weight	: 406.56



Analytical Information

Batch No.	: L001004-114-203	**Solubility**	: ACN
Description	: Colorless Thick Syrup	**Mass**	: Confirm
HPLC Purity	: 99.42 %	**IR**	: Confirm
Weight Loss By TGA	: 2.16 %	**1H NMR**	: Confirm
% Potency	: 97.27 %		

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