CERTIFICATE OF ANALYSIS

(Certificate No. KMS001008-03)

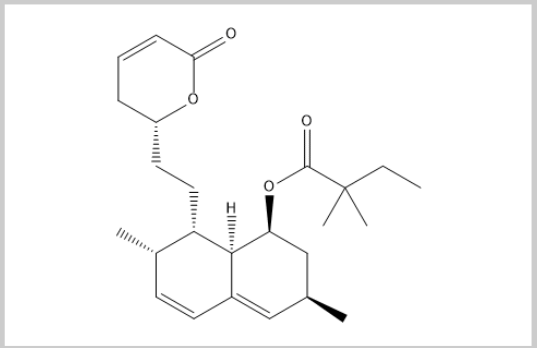
Release Date: 10/01/2026 **Re-test Date:** 09/01/2029

SIMVASTATIN IMPURITY C

Identification

Chemical Name :
(1S,3R,7S,8S,8aR)-3,7-dimethyl-8-[2-[(2R)-6-oxo-3,6-dihydro-2H-pyran-2-yl]ethyl]-1,2,3,7,8,8a-hexahydronaphthalen-1-yl 2,2-dimethylbutanoate

Alt. Name	: Simvastatin USP Related Compound C ; 2,3-Anhydro Simvastatin ; Dehydro Simvastatin
CAT No.	: KMS001008
CAS No.	: 210980-68-0
Molecular Formula	: C25H36O4
Molecular Weight	: 400.55



Analytical Information

Batch No.	: S001008-114-095	**Solubility**	: Acetonitrile
Description	: Light Yellow Syrup	**Mass**	: Confirm
HPLC Purity	: 98.87 %	**IR**	: Confirm
Weight Loss By TGA	: 4.45 %	**1H NMR**	: Confirm
% Potency	: 94.47 %		

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 - 4.45(Weight Loss By TGA)] x [98.87(HPLC Purity)]/100 = 94.47 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		10/01/2026
Reviewed & Approved By	Quality Control	Jatin Patel		10/01/2026

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