

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

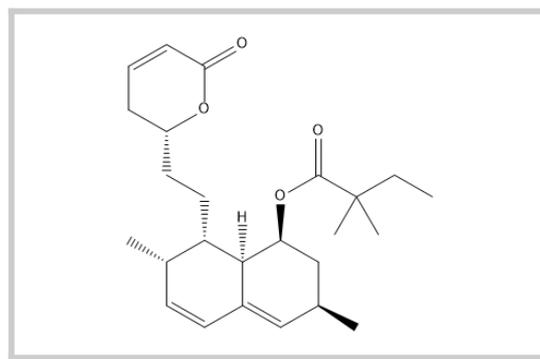
Alt. Name : Simvastatin USP Related Compound C ; 2,3-Anhydro Simvastatin ; Dehydro Simvastatin

CAT No. : KMS001008

CAS No. : 210980-68-0

Molecular Formula : C₂₅H₃₆O₄

Molecular Weight : 400.55



Analytical Information

Batch No. : S001008-114-095

Description : Light Yellow Syrup

HPLC Purity : 98.87 %

Weight Loss By TGA : 4.45 %

% Potency : 94.47 %

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 - 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, ¹H NMR, IR and TGA