



CERTIFICATE OF ANALYSIS

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1. Identification

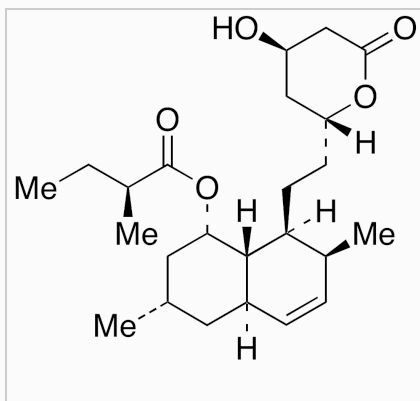
Catalogue Number: D448570

CAS Number: 77517-29-4

Product: 4a,5-Dihydro Lovastatin

Synonym: (2S)-2-Methylbutanoic Acid
(1S,3S,4aR,7S,8S,8aS)-1,2,3,4,4a,7,8,8a-Octahydro-

Structure:



Molecular Formula:

C₂₄H₃₈O₅

Molecular weight:

406.56

Source of Product:

Synthetic

Solubility:

Acetonitrile (Slightly),
Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 6-ISU-72-3

Purity: 93%

Shipping Condition: This Product Is Stable To Be
Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1: Not Determined

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White Solid
HPLC Purity	Report Result	95.73%
Specific Rotation	Report Result	+154.7° (c = 0.2, Acetonitrile)
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 70.58, %H: 9.53
MS	Conforms to Structure	Conforms

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol = 9 : 1; Visualized with AMCS and KMnO₄; Single Spot, R_f = 0.45. Elemental Analysis: (Theoretical) %C: 70.90, %H: 9.42

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Neha Khanna	Toni Rantanen	My Nguyen	9/9/2019	9/7/2026
