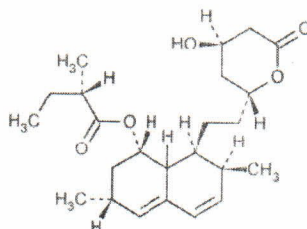


Batch no IF-L0-250613
Mf date Jun 13 2025
Expiry Jun 12 2028

Molecular Structure



Molecular Formula $C_{24}H_{36}O_5$

Molecular Weight 404.54

CAS Registry Number 75330-75-5

Jul 17 2025

Tests	Specifications	Results
Appearance	White to off-white crystalline powder	Conforms
Solubility	Freely soluble in chloroform; soluble in acetone, in acetonitrile, & in methanol; sparingly soluble in alcohol; practically insoluble in hexane; insoluble in water	Conforms
Identification	IR, UV	Positive
Specific rotation	+324 ~ +338° (5 mg/mL in acetonitrile)	+331°
Loss on drying	≤ 0.3%	0.17%
Residue on ignition	≤ 0.2%	0.05%
Heavy metals	≤ 0.002%	< 0.002%
Limit of Lovastatin related compound A	≤ 0.5%	0.12%
Chromatographic purity	Individual impurity ≤ 0.2% Total impurities ≤ 1.0%	0.14% 0.51%
Residual solvents	Butyl acetate ≤ 5000 ppm Acetone ≤ 5000 ppm	72 ppm 188 ppm
Assay (odb)	98.5 ~ 101.0% of $C_{24}H_{36}O_5$	99.1%
Packaging & storage	Preserve in tight containers, under nitrogen in a cold place	
Long term storage	Storage temperature: 2 ~ 30°C	
Conclusion	Material complies with USP42	