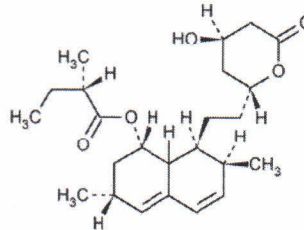


Batch no IF-L0-240605  
 Mf date Jun 05 2024  
 Expiry Jun 04 2027

Molecular Structure



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

Molecular Weight 404.54

CAS Registry Number 75330-75-5

Jun 14 2024

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
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)	+331.2°
Loss on drying	≤ 0.3%	0.06%
Residue on ignition	≤ 0.2%	0.07%
Heavy metals	≤ 0.002%	< 0.002%
Limit of Lovastatin related compound A	≤ 0.5%	0.18%
Chromatographic purity	Individual impurity ≤ 0.2%	0.12%
	Total impurities ≤ 1.0%	0.54%
Residual solvents	Butyl acetate ≤ 5000 ppm	20 ppm
	Acetone ≤ 5000 ppm	179 ppm
Assay (odb)	98.5 ~ 101.0% of $C_{24}H_{36}O_5$	98.8%

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