

Catalog	Unit
TBI1222-100MG	100 mg
TBI1222-500MG	500 mg

Product Details

Formal Name: 2-Methyl-1,2,3,7,8,8a-hexahydro-3,7-dimethyl-8-[2-(tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl)ethyl]-1-naphthalenyl ester butanoic acid

Alternate Names: Mevinolin

Molecular Formula: C₂₄H₃₆O₅

Formula Weight: 404.55

CAS Number: 75330-75-3

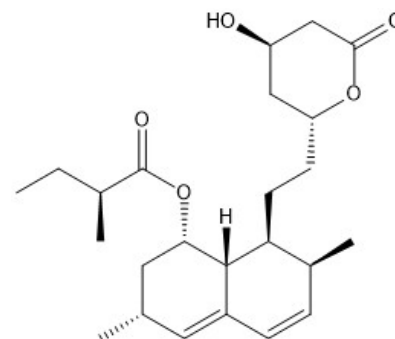
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

HMG-CoA reductase inhibitor

Functions

Blocks cholesterol and isoprenoid biosynthesis via inhibition of HMG-CoA reductase (K_i=1nM for acid form). Induces apoptosis in various cell lines. Causes cell cycle arrest in early G1 phase. Clinically useful antihyperlipemic agent. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or Ethanol may be stored at -20°C for up to 2 months.

For research use only.