

Catalog	Unit
TBI1018-100MG	100 mg
TBI1018-500MG	500 mg

Product Details

Formal Name: 2,2-Dimethyl-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; MK-733

Molecular Formula: C₂₅H₃₈O₅

Formula Weight: 418.58

CAS Number: 79902-63-9

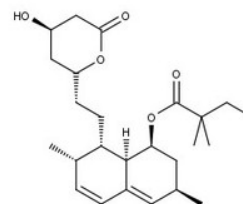
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 35 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

HMG-CoA reductase inhibitor

Functions

A synthetic analog of lovastatin. Blocks cholesterol and isoprenoid biosynthesis via inhibition of HMG-CoA reductase. Induces apoptosis in various cell lines. Causes cell cycle arrest in early G1 phase. Clinically useful antilipemic agent.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 35 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.