

# Mevastatin

Catalog No: tcsc1234



## Available Sizes

**Size:** 10mg

**Size:** 50mg



## Specifications

**CAS No:**

73573-88-3

**Formula:**

$C_{23}H_{34}O_5$

**Pathway:**

Autophagy;Metabolic Enzyme/Protease

**Target:**

Autophagy;HMG-CoA Reductase (HMGCR)

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 25 mg/mL (64.02 mM; Need ultrasonic)

**Alternative Names:**

Compactin;ML236B

**Observed Molecular Weight:**

390.51

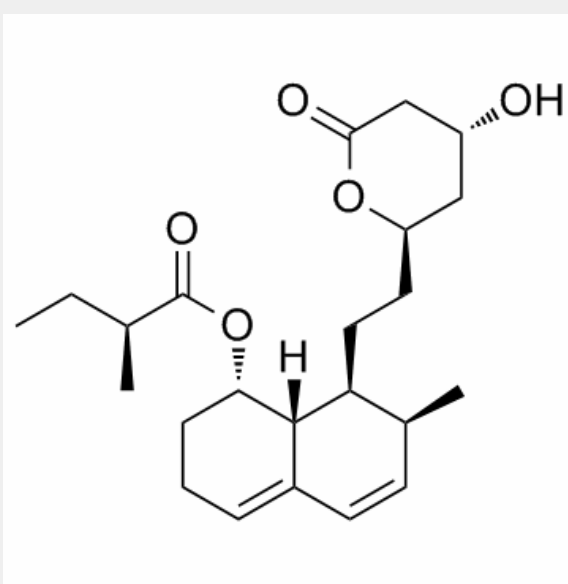
## Product Description

Mevastatin (Compactin; ML236B) inhibits HMGCR (HMG-CoA reductase) (Ki for acid form is 1 nM) which in turn inhibits isoprenoid biosynthesis and therefore blocks protein isoprenylation and reduces plasma cholesterol levels in humans.

IC50 value: 1 nM (Ki)

Target: HMGCR

Mevastatin induces apoptosis, arrests cancer cells in G1 phase and downregulates cdk 2, 4, and 6, cyclin D1 and E1, p21 and p27. Mevastatin suppresses TNF-induced NF- $\kappa$ B activation (IC50 = ~17  $\mu$ M), which potentiates apoptosis in human myeloid leukemia cells and thus, may be useful in treating cancer.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!