# Mevastatin

## HMG-CoA reductase inhibitor

Mevastatin inhibits isoprenoid biosynthesis by inhibition of HMG-CoA reductase ($K_i$ for acid form is 1 nM) and therefore blocks protein isoprenylation and reduces plasma cholesterol levels in humans. It causes cells to arrest early in the G1 phase. Mevastatin is a close structural analog of lovastatin and both agents have the same biochemical and pharmacological activities. Mevastatin is inactive in cell-free assays. In cells however, it is hydrolyzed to the active free acid form by intracellular esterases.

**Citations:** 8 View Online »

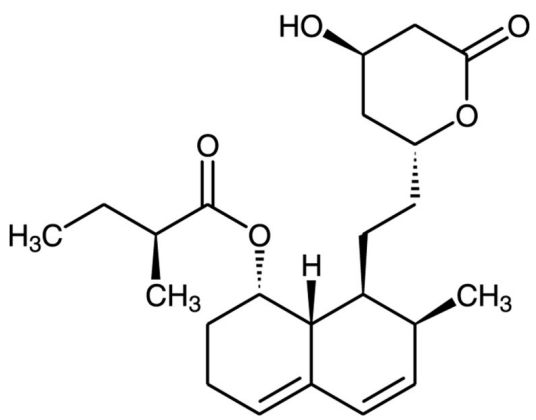
## Ordering Information

Order Online »

| | |
|---|---|
| **BML-G233-0010** | 10mg |
| **BML-G233-0050** | 50mg |

## Manuals, SDS & CofA

View Online »


HO
O
O
O
O
H
H3C
CH3
CH3

## Handling & Storage

| | |
|---|---|
| **Use/Stability** | As indicated on product label or CoA when stored as recommended. |
| **Long Term Storage** | -20°C |
| **Shipping** | Ambient Temperature |

## Regulatory Status

RUO - Research Use Only

## Product Details

| | |
|---|---|
| **Alternative Name** | Compactin |
| **Appearance** | White to off-white solid. |
| **CAS** | 73573-88-3 |
| **Couple Target** | HMG-CoA reductase |
| **Couple Type** | Inhibitor |
| **Formula** | $C_{23}H_{34}O_5$ |
| **Identity** | Determined by 1H-NMR. |
| **MW** | 390.5 |
| **Purity** | ≥95% (HPLC) |
| **Solubility** | Soluble in DMSO (20mg/ml) or 100% ethanol (25mg/ml). |

**Last modified: May 29, 2024**

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com