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 »

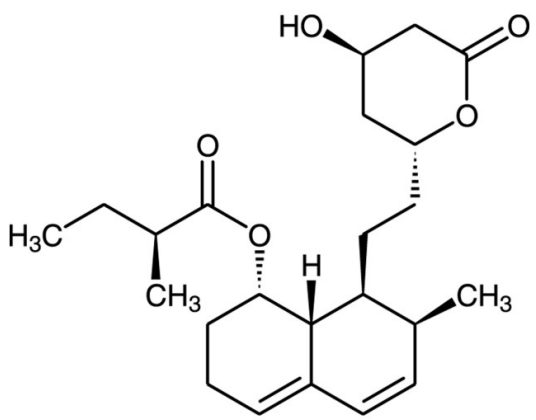
Ordering Information

Order Online »

BML-G233-0010	10mg

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).

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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

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