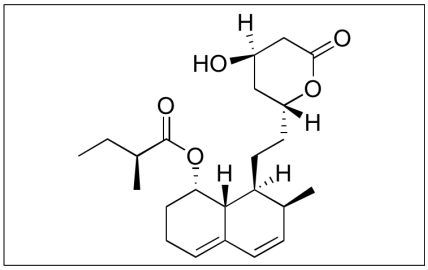
LKT Laboratories, Inc.

Mevastatin

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID M1685
CAS No. 73573-88-3
Chemical Name (2S)-2-Methylbutanoic acid (1S,7S,8S,8aR)- 1,2,3,7,8,8a-hexahydro-7-methyl-8-[2-[(2R,4R)- tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl]ethyl] -1- naphthalenyl ester
Synonym Compactin, 6-demethylmevinolin, CS-500, ML-236B.



Formula $C_{23}H_{34}O_5$
Formula Wt. 390.51
Melting Point 152°C
Purity ≥98%
Solubility Soluble in DMSO, or ethanol. Insoluble in water.

Bulk quanitites available upon request

Product ID	Size
M1685	10 mg
M1685	50 mg
M1685	250 mg

Store Temp Ambient
Ship Temp Ambient

Description Mevastatin is an HMG-CoA reductase inhibitor that exhibits anti-hyperlipidemic, anticancer, and immunomodulatory activities. Mevastatin induces apoptosis and inhibits growth of salivary adenoid cystic carcinoma cells by increasing cytochrome c release, activation of caspase 3, and phosphorylation of JNK, p38 MAPK, and ERK1/2. In other models, mevastatin inhibits bisphosphonate-induced activation of γδ T cells and release of TNF-α.

References

Zhang S, Wang XL, Gan YH, et al. Activation of c-Jun N-terminal kinase is required for mevastatin-induced apoptosis of salivary adenoid cystic carcinoma cells. Anticancer Drugs. 2010 Aug;21(7):678-86. PMID: 20629200.

Thompson K, Rogers MJ. Statins prevent bisphosphonate-induced gamma,delta-T-cell proliferation and activation in vitro. J Bone Miner Res. 2004 Feb;19(2):278-88. PMID: 14969398.

Endo A, Kuroda M, Tsujita Y. ML-236A, ML-236B, and ML-236C, new inhibitors of cholesterogenesis produced by Penicillium citrinium. J Antibiot (Tokyo). 1976 Dec;29(12):1346-8. PMID: 1010803.