



LKT Laboratories, Inc.

Pravastatin Sodium

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Product Information

Product ID P6801

CAS No. 81131-70-6

Chemical Name (8R,8R,1S,2S,6S,8S,8aR)-1,2,6,7,8,8a-Hexahydro-8,8,6-trihydroxy-2-methyl-8-[(2S)-2-methyl-1-oxobutoxy]-1-naphthaleneheptanoic acid monosodium salt

Synonym Pravachol, Lipostat, Mevalotin, Liprevil, Pravaselect

Formula C₂₃H₃₅O₇Na

Formula Wt. 446.51

Melting Point 171.2-173 °C

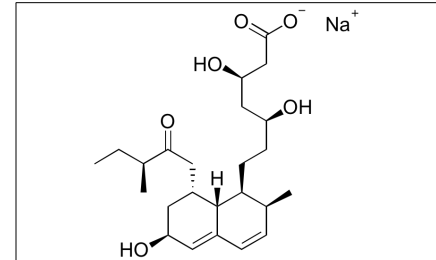
Purity ≥98%

Solubility Soluble in methanol, water (>400 mg/mL), DMSO, chloroform or ether.

Store Temp 4 °C

Ship Temp Ambient

Description Pravastatin is an inhibitor of HMG-CoA reductase that exhibits anti-hyperlipidemic, anticancer, antithrombotic, antioxidative, immunosuppressive, anti-allergic, and anti-asthma activities. Clinically, pravastatin increases expression of LDL receptors, inducing cellular LDL uptake to decrease levels of LDL and triglycerides and increase levels of HDL. In animal models of cancer, pravastatin increases the efficacy of bevacizumab when given in combination, further decreasing tumor growth and inhibiting angiogenesis and metastasis. Pravastatin inhibits thrombosis in animal models of atherosclerotic plaque rupture and decreases lucigenin-induced O₂ radical formation in other in vivo models. Additionally, pravastatin downregulates expression of IL-17 and decreases production of Th2 cytokines and IgE, preventing airway inflammation in animal models of OVA-induced allergies.



Bulk quantities available upon request

Product ID	Size
P6801	10 mg
P6801	50 mg
P6801	100 mg

References Lee SJ, Lee I, Lee J, et al. Statins, 3-hydroxy-3-methylglutaryl coenzyme A reductase inhibitors, potentiate the anti-angiogenic effects of bevacizumab by suppressing angiopoietin2, BiP, and Hsp90α in human colorectal cancer. *Br J Cancer*. 2014 Jun 19. [Epub ahead of print]. PMID: 24945998.

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Luzak B, Rywaniak J, Stanczyk L, et al. Pravastatin and simvastatin improves acetylsalicylic acid-mediated in vitro blood platelet inhibition. *Eur J Clin Invest*. 2012 Aug;42(8):864-72. PMID: 22409214.

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Kelesidis T, Currier JS, Huynh D, et al. A biochemical fluorometric method for assessing the oxidative properties of HDL. *2011 Dec*;52(12):2341-2351. PMID: 21957198.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.