



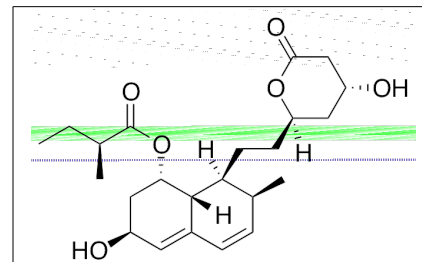
LKT Laboratories, Inc.

Pravastatin Lactone

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Product Information

Product ID P6800
CAS No. 85956-22-5
Chemical Name (8R,1S,2S,6S,8S,8aR)-1,2,6,7,8a-Hexahydro-8,8,6-trihydroxy-2-methyl-8-[(2S)-2-methyl-1-oxobutoxy]-1-naphthaleneheptanoic acid lactone
Synonym



Formula $C_{23}H_{34}O_6$
Formula Wt. 406.51
Melting Point 138-142 °C
Purity ≥98%
Solubility Soluble in Chloroform (Slightly), Dichloromethane (Slightly), Methanol (Slightly).
Soluble in DMSO (25 mg/mL).

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.

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P6800	10 mg	\$134.30
P6800	50 mg	\$401.10
P6800	100 mg	\$706.50

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.

Wu G, Xie Q, Xu L, et al. Pravastatin inhibits plaque rupture and subsequent thrombus formation in atherosclerotic rabbits with hyperlipidemia. *Chem Pharm Bull (Tokyo)*. 2013;61(2):121-4. PMID: 23207681.

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Imamura M, Okunishi K, Ohtsu H, et al. Pravastatin attenuates allergic airway inflammation by suppressing antigen sensitisation, interleukin 17 production and antigen presentation in the lung. *Thorax*. 2009 Jan;64(1):44-9. PMID: 18835962.

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