

Product Information

Product ID L8261

CAS No. 545-47-1

Chemical Name (1R,3aR,5aR,5bR,7aR,9S,11aR,11bR,13aR,13bR)-3a,5a,5b,8,8,11a-hexamethyl-1-prop-1-en-2-yl
-1,2,3,4,5,6,7,7a,9,10,11,11b,12,13,13a,13b-

Synonym Fagarsterol, Clerodol, Monogynol B

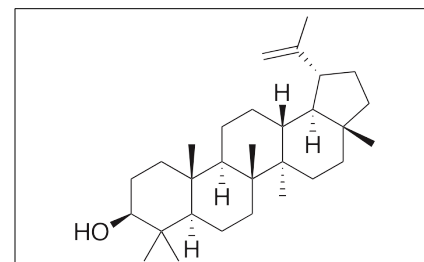
Formula C₃₀H₅₀O

Formula Wt. 426.72

Melting Point 215°C

Purity ≥98%

Solubility Freely soluble in ether, warm alcohol. Insoluble in water.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
L8261	10 mg	\$78.50
L8261	25 mg	\$157.20
L8261	100 mg	\$505.50

Store Temp 4°C

Ship Temp Ambient

Description Lupeol is a triterpene that displays neuromodulatory, anti-hyperuricemic, anti-inflammatory, antioxidative, and anticancer chemotherapeutic activities. It inhibits tyrosinase oxidation of L-DOPA in the brain. It also decreases monosodium urate crystal-induced paw edema in animal models, indicating potential benefit as a treatment for gouty arthritis. In vitro, it decreases production of NO, decreases levels of iNOS and cyclooxygenase (COX-2) and also prevents generation of ROS by tert-butylhydroperoxide (t-BHP). Lupeol decreases free radical-mediated damage in animal models. It also exhibits anticancer benefit by inhibiting androgen-induced androgen receptor (AR) activity and prostate-specific antigen (PSA) expression; it competitively inhibits the androgen receptor and inhibits tumorigenicity of prostate cancer cells in vivo. Additionally, this compound decreases B-catenin levels, expression of matrix metalloproteinase 2 (MMP2), and activation of T cell factor responsive element in vitro.

References Muñoz E, Avila JG, Alarcón J, et al. Tyrosinase inhibitors from Calceolaria integrifolia s.l.: Calceolaria talcana aerial parts. J Agric Food Chem. 2013 May 8;61(18):4336-43. PMID: 23607420.

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