LKT Laboratories, Inc.

Betulin

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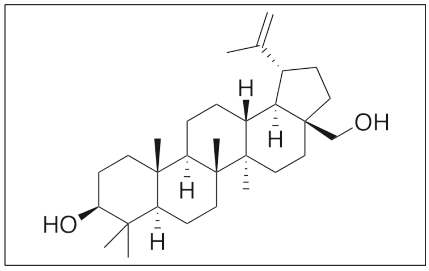
Product Information

Product ID B1977
CAS No. 473-98-3
Chemical Name Lup-20(29)-ene-3β,28-diol

Synonym



Formula $C_{30}H_{50}O_2$
Formula Wt. 442.72
Melting Point 256-257°C
Purity ≥98%
Solubility Soluble in DMF (2.5 mg/mL), DMSO (2 mg/mL), ethanol (5 mg/mL). Slightly soluble in chloroform, methanol.

Bulk quanitites available upon request

Product ID	Size
B1977	500 mg
B1977	1 g
B1977	5 g

Store Temp Ambient
Ship Temp Ambient

Description Betulin is a pentacyclic triterpene found in birch bark. This compound can induce apoptosis and inhibit angiogenesis, lending it a wide variety of functions, including anticancer, antiviral, anti-inflammatory, anti-fibrotic, antioxidative, and antibacterial roles. Betulin is hepatoprotective as well, as it suppresses symptoms of ethanol-induced fatty liver by inhibiting acidophilic necrosis; it also prevents liver fibrosis by inhibiting production and migration of ROS.

References

Wan Y, Jiang S, Lian LH, et al. Betulinic acid and betulin ameliorate acute ethanol-induced fatty liver via TLR4 and STAT3 in vivo and in vitro. Int Immunopharmacol. 2013 Jun 28;17(2):184-190. [Epub ahead of print] PMID: 23816536.

Jonnalagadda SC, Corsello MA, Sleet CE. Betulin-Betulinic Acid Natural Product Based Analogs as Anti-Cancer Agents. Anticancer Agents Med Chem. 2013 Jun 11. [Epub ahead of print] PubMed PMID: 23848199.

Szuster-Ciesielska A, Plewka K, Kandefer-Szerszeń M. Betulin, betulinic acid and butein are inhibitors of acetaldehyde-induced activation of liver stellate cells. Pharmacol Rep. 2011;63(5):1109-23. PMID: 22180353.