



LKT Laboratories, Inc.

Epimedin C

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Product Information

Product ID E6134

CAS No. 110642-44-9

Chemical Name 3-[(6-Deoxy-2-O-(6-deoxy- α -L-mannopyranosyl)- α -L-mannopyranosyl)oxy]-7-(β -D-glucopyranosyloxy)-5-hydroxy-2-(4-methoxyphenyl)-8-(3-methyl-2-buten-1-yl)-4H-1-benzopyran-4-one

Synonym

Formula C₃₉H₅₀O₁₉

Formula Wt. 822.80

Melting Point

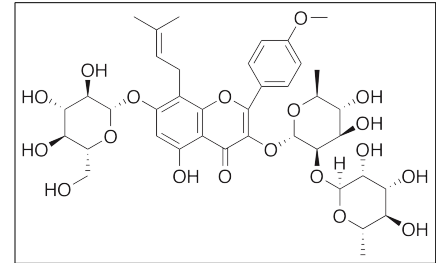
Purity \geq 98%

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Epimedin C is a flavonoid originally found in *Epimedium sagittatum*; it exhibits immunostimulatory and anticancer activities. In hepatoma cells, epimedin C inhibited cellular proliferation by decreasing expression of c-Myc, cyclin D1, and c-fos, and increasing expression of CDK inhibitors p21 and p27. In a mouse model of hydrocortisone acetate-mediated immunosuppression, epimedin C enhances lymphocyte proliferation and increases IL-2 production.



Bulk quantities available upon request

Product ID	Size
E6134	1 mg
E6134	5 mg
E6134	10 mg
E6134	25 mg

References Liu TZ, Chen CY, Yiin SJ, et al. Molecular mechanism of cell cycle blockage of hepatoma SK-Hep-1 cells by Epimedin C through suppression of mitogen-activated protein kinase activation and increased expression of CDK inhibitors p21(Cip1) and p27(Kip1). *Food Chem Toxicol.* 2006 Feb;44(2):227-35. PMID: 16112786.

Liang HR, Vuorela P, Vuorela H, et al. Isolation and immunomodulatory effect of flavonol glycosides from *Epimedium huananense*. *Planta Med.* 1997 Aug;63(4):316-9. PMID: 9270375.

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