

Product Data Sheet

Product Name: β -Anhydroicaritin

Cat. No.: GC37999

Chemical Properties

Cas. No. 38226-86-7

SMILES O=C1C2=C(O)C=C3C(CCC(C)(C)O3)=C2OC(C4=CC=C(OC)C=C4)=C1O

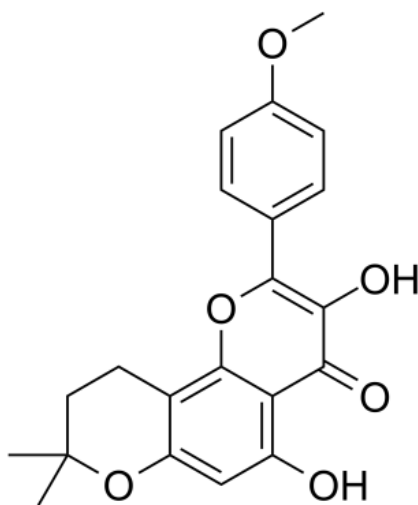
Formula $C_{21}H_{20}O_6$ M.Wt 368.38

Solubility DMSO: 8.33 mg/mL (22.61 mM) Storage 4°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

β -Anhydroicaritin is isolated from *Boswellia carterii* Birdware, has important biological and pharmacological effects, such as antiosteoporosis, estrogen regulation and antitumor properties[1]

Caution: Product has not been fully validated for medical applications. For research use only.

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[1]. Nguyen VS, et al. Synthesis of Icaritin and β -anhydroicaritin Mannich Base Derivatives and Their Cytotoxic Activities on Three Human Cancer Cell Lines. *Anticancer Agents Med Chem*. 2017;17(1):137-142 [2]. Wu Y, et al. Effect of β -anhydroicaritin on the expression levels of tumor necrosis factor- α and matrix metalloproteinase-3 in periodontal tissue of diabetic rats. *Mol Med Rep*. 2015 Aug;12(2):1829-37. [3]. Lai X, et al. Protective effect of anhydroicaritin against peritonitis in mice. *Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi*. 2013 Oct;29(10):1036-9.

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