

Product Data Sheet

Product Name: Prosaikogenin F

Cat. No.: GC62230

Chemical Properties

Cas. No. 99365-20-5

Formula $C_{36}H_{58}O_8$

M.Wt 618.84

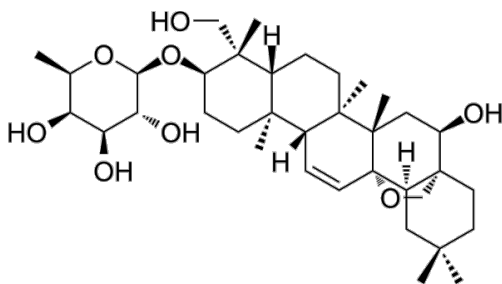
Solubility

Storage Store at -20°C

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

Prosaikogenin F is a monoglycoside with anticancer and hemolytic properties[1][2].

Prosaikogenin F inhibits A549 proliferation with inhibition rates of 40.53%, 92.62% and 93.07% at concentrations of 20, 40 and 60 µg/mL, respectively[1].

In mice, intraperitoneal administration of Saikosaponin A and its intestinal metabolite, Prosaikogenin F, show corticosterone secretion-inducing activity at a dose of 0.1 mmol/kg, and maximally increase it

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

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at a dose of 0.4 mmol/kg[3].

[1]. Lu Shi, et al. A Potential Anti-cancer Compound Separated from the Chloroform Extract of the Chinese Medicine Formula Shenqi San. Curr Med Sci. 2020 Feb;40(1):138-144.

[2]. M Nose, S Amagaya, et al. Effects of saikosaponin metabolites on the hemolysis of red blood cells and their adsorbability on the cell membrane. Chem Pharm Bull (Tokyo). 1989 Dec;37(12):3306-10.

[3]. M Nose, et al. Corticosterone secretion-inducing activity of saikosaponin metabolites formed in the alimentary tract. Chem Pharm Bull (Tokyo). 1989 Oct;37(10):2736-40.

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