
Product Data Sheet

Product Name: Prosaikogenin G

Cat. No.: GC61210

Chemical Properties

Cas. No. 99365-23-8

SMILES O[C@H]([C@H]([C@H]([C@@H](C)O1)O)O)[C@@H]1O[C@@H]2CC[C@]3(C)[C@@]4([H])C=C[C@]56[C@]7([H])CC(C)(C)CC[C@@](CO6)7[C@@H](O)[C@](C)5[C@@](C)4CC[C@]([H])3[C@@]2(C)CO

Formula C₃₆H₅₈O₈

M.Wt 618.84

Solubility DMSO : 50 mg/mL (80.80 mM; Need ultrasonic) 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 G, isolated from the roots of Bupleurum bicaule Helm (Apiaceae), exhibits significant inhibitory effects on rat mesangial cell proliferation induced by Ang II. Prosaikogenin G has protective action on the kidney[1]. Prosaikogenin G is a derivative of Saikosaponin d in the gastrointestinal tract[2].

Prosaikogenin G (25, 50 μM) has protective action on the kidney for their down-regulated activity to the rat mesangial cell line (MC) proliferation induced by Ang II (1 μM), and does not exhibit injury to the normal MC[1].

[1]. Nan Xu, et al. A new saikogenin from the roots of Bupleurum bicaule. Chin J Nat Med. 2014 Apr;12(4):305-8. [2]. Pei Yu, et al. In vitro metabolism study of saikosaponin d and its derivatives in rat liver microsomes. Xenobiotica. 2017 Jan;47(1):11-19.

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

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