

Product Data Sheet

Product Name: Rhamnocitrin

Cat. No.: GC60323

Chemical Properties

Cas. No. 569-92-6

SMILES O=C1C(O)=C(C2=CC=C(O)C=C2)OC3=CC(OC)=CC(O)=C13

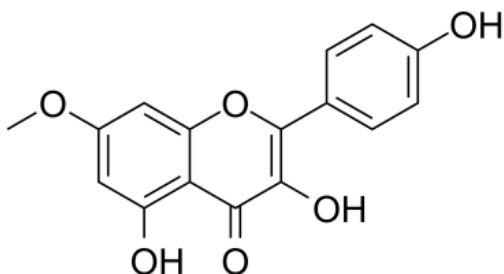
Formula $C_{16}H_{12}O_6$ M.Wt 300.26

Solubility DMSO : 100 mg/mL (333.04 mM; Need ultrasonic) 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

Rhamnocitrin is a flavonoid isolated from astragalus complanatus R. Br. (Sha-yuan-zi)[1].

Rhamnocitrin is a scavenger of DPPH with an IC₅₀ of 28.38 mM. Rhamnocitrin has anti-oxidant, anti-inflammatory and anti-atherosclerosis activity[2].

[1]. Li Y, et al. Simultaneous Determination of Formononetin, Calycosin and Rhamnocitrin from Astragalus Complanatus by UHPLC-MS-MS in Rat Plasma: Application to a Pharmacokinetic Study.

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

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J Chromatogr Sci. 2016 Jun 19. [2]. Tu YC, et al. Antiatherogenic effects of kaempferol and rhamnocitrin. J Agric Food Chem. 2007 Nov 28;55(24):9969-76.

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