

Product Data Sheet

Product Name: Luteolin 7-O-(6-O-malonyl-β-D-glucoside)

Cat. No.: GC81440

Chemical Properties

Cas. No. 98767-38-5

Formula C₂₄H₂₂O₁₄

M.Wt 534.42

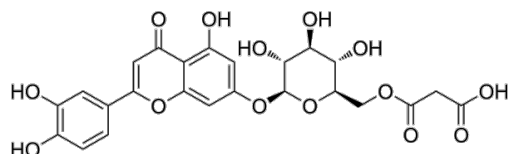
Solubility

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

Luteolin 7-O-(6-O-malonyl-β-D-glucoside) is an orally active flavonoid free radical scavenger. Luteolin 7-O-(6-O-malonyl-β-D-glucoside) scavenges free radicals, inhibits the activity elevation of aspartate aminotransferase and alanine aminotransferase in mouse plasma, as well as the elevation of liver lipid hydroperoxide content. Luteolin 7-O-(6-O-malonyl-β-D-glucoside) is applicable for liver injury research [1].

In Vivo, Luteolin 7-O-(6-O-malonyl-β-D-glucoside) (Compound 3) (22 mg/mouse; p.o.; single administration) significantly inhibits the Carbon Tetrachloride (CCl₄) -induced increases in plasma

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

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AST and ALT activities as well as hepatic lipid hydroperoxide content in mice^[1].

References:

[1]. Tetuya SugaWara¹ and Kiharu igaraShi. Identification of Major Flavonoids in Petals of Edible Chrysanthemum Flowers and Their Suppressive Effect on Carbon Tetrachloride-Induced Liver Injury in Mice. 2009 Volume 15.

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