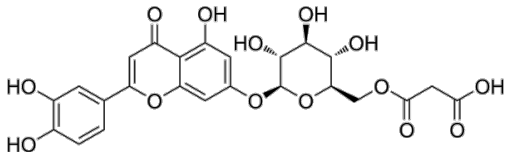
Product Data Sheet

Product Name: Luteolin 7-O-(6-O-malonyl-β-D-glucoside)
Cat. No.: GC81440

Chemical Properties

Cas. No.	98767-38-5		
Formula	$C_{24}H_{22}O_{14}$	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

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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.

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

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