
Product Data Sheet

Product Name: 5,7-Dihydroxycoumarin

Cat. No.: GC61681

Chemical Properties

Cas. No. 2732-18-5

SMILES O=C1C=CC2=C(C=C(C=C2O)O)O1Formula C₉H₆O₄

M.Wt 178.14

Solubility DMSO : 25 mg/mL (140.34 mM; Need ultrasonic)

Storage 4°C, stored under nitrogen

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**

5,7-Dihydroxycoumarin is a coumarin isolated from the inflorescences of *Macaranga triloba*. 5,7-Dihydroxycoumarin has antibacterial activities[1][2].

[1]. Ishak Zakaria, et al. Flavonoids with antiplasmodial and cytotoxic activities of *Macaranga triloba*. *Fitoterapia*. 2012 Jul;83(5):968-72. [2]. Yi-Ping Chin, et al. Synthesis and evaluation of antibacterial activities of 5,7-dihydroxycoumarin derivatives. *Arch Pharm (Weinheim)*. 2011 Jun;344(6):386-93.

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

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