

Product Data Sheet

Product Name: 5,7-Dimethoxyflavone

Cat. No.: GC61814

Chemical Properties

Cas. No. 21392-57-4

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

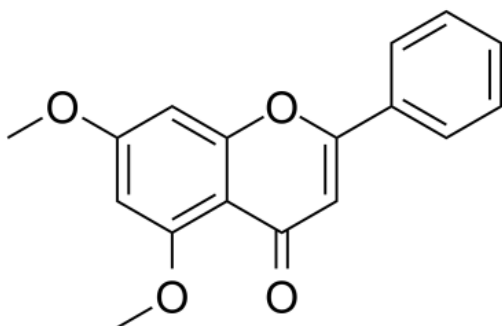
Formula $C_{17}H_{14}O_4$ M.Wt 282.29

Solubility DMSO: 100 mg/mL (354.25 mM) 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

5,7-Dimethoxyflavone is one of the major components of *Kaempferia parviflora*, has anti-obesity, anti-inflammatory, and antineoplastic effects. 5,7-Dimethoxyflavone inhibits cytochrome P450 (CYP) 3As. 5,7-Dimethoxyflavone is also a potent Breast Cancer Resistance Protein (BCRP) inhibitor[1][2].

[1]. Ochiai W, et al. Effect of the active ingredient of *Kaempferia parviflora*, 5,7-dimethoxyflavone, on the pharmacokinetics of midazolam. *J Nat Med*. 2018 Jun;72(3):607-614. [2]. Bae S, et al. Effect of 5,7-dimethoxyflavone on Bcrp1-mediated transport of sorafenib in vitro and in vivo in mice. *Eur J*

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

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Pharm Sci. 2018 May 30;117:27-34.

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