

Product Data Sheet

Product Name: 5,7-Dimethoxyflavanone

Cat. No.: GC63972

Chemical Properties

Cas. No. 1277188-85-8

Formula C₁₇H₁₆O₄

M.Wt 284.31

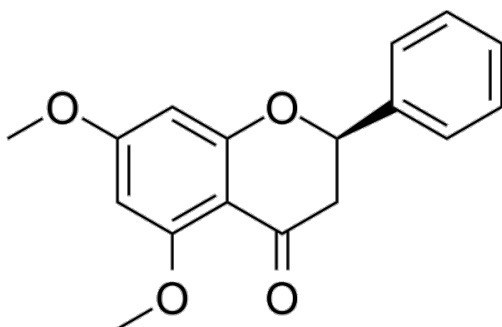
Solubility DMSO : 12.5 mg/mL (43.97 mM;
Need ultrasonic)

Storage 4°C, away from moisture and 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



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

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Background

5,7-Dimethoxyflavanone shows potent antimutagenic activity against MeIQ mutagenesis in Ames test using the *S. typhimurium* TA100 and TA98 strains[1]. And 5,7-Dimethoxyflavanone significantly and dose-dependently inhibits the inflammatory mediato

[1]. Okuno Y, Marumoto S, Miyazawa M. Antimutagenic activity of flavonoids from Sozuku. *Nat Prod Res.* 2019;33(6):862-865.

[2]. Rao YK, Fang SH, Tzeng YM. Anti-inflammatory activities of flavonoids isolated from *Caesalpinia pulcherrima*. *J Ethnopharmacol.* 2005;100(3):249-253.

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