

Product Data Sheet

Product Name: Agathisflavone

Cat. No.: GC70455

Chemical Properties

Cas. No. 28441-98-7

Formula $C_{30}H_{18}O_{10}$

M.Wt 538.46

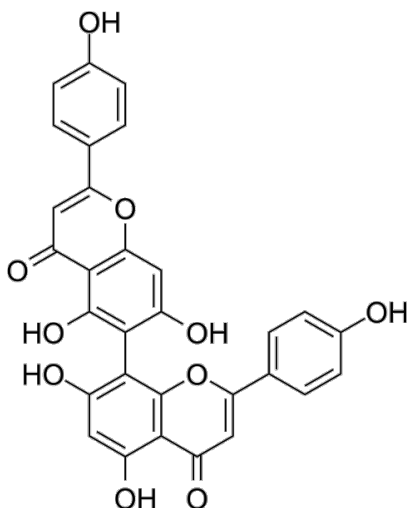
Solubility DMSO : 100 mg/mL (185.71 mM; Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)

Storage 4°C, protect from light, 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

Agathisflavone is a flavonoid with antioxidant, anti-inflammatory, antiviral, antiparasitic, cytotoxic, neuroprotective, and hepatoprotective activities. Agathisflavone can improve tissue repair in a spinal cord injury model in rats.

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

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References:

- [1]. Islam MT, et, al. Agathisflavone: Botanical sources, therapeutic promises, and molecular docking study. IUBMB Life. 2019 Sep;71(9):1192-1200.
- [2]. Freitas CS, et, al. Agathisflavone, a Biflavonoid from Anacardium occidentale L., Inhibits Influenza Virus Neuraminidase. Curr Top Med Chem. 2020;20(2):111-120.
- [3]. Nascimento RP, et, al. Agathisflavone as a Single Therapy or in Association With Mesenchymal Stem Cells Improves Tissue Repair in a Spinal Cord Injury Model in Rats. Front Pharmacol. 2022 Apr 5;13:858190.

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