

Acacetin

Chemical Properties

CAS No. : 480-44-4

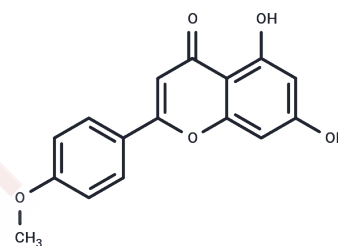
Formula: C₁₆H₁₂O₅

Molecular Weight: 284.26

Appearance: no data available

Storage: keep away from moisture

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Acacetin (5,7-Dihydroxy-4'-methoxyflavone) is an O-methylated flavone found in various plants, exhibiting antinociceptive, anti-inflammatory, and antioxidant activities in different research models.
Targets(IC50)	Apoptosis, Autophagy, COX, IAP

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble) DMSO: 6.25 mg/mL (21.99 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5179 mL	17.5895 mL	35.1791 mL
5 mM	0.7036 mL	3.5179 mL	7.0358 mL
10 mM	0.3518 mL	1.759 mL	3.5179 mL
50 mM	0.0704 mL	0.3518 mL	0.7036 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

- Zielińska, S. and Matkowski, A. Phytochemistry and bioactivity of aromatic and medicinal plants from the genus *Agastache* (Lamiaceae). *Phytochem. Rev.* 13(2), 391-416 (2014).
- Wu Z, Zhao X, Li R, et al. The combination of Schisandrin C and Luteolin synergistically attenuates hepatitis B virus infection via repressing HBV replication and promoting cGAS-STING pathway activation in macrophages. *Chinese Medicine*. 2024, 19(1): 48.
- Heck K L, Yi Y, Thornton D, et al. A comparative metabolomics analysis of Açai (*Euterpe oleracea* Mart.) fruit, food powder, and botanical dietary supplement extracts. *Phytochemical Analysis*. 2024
- Jaganathan, S.K. and Mandal, M. Antiproliferative effects of honey and of its polyphenols: A review. *J. Biomed. Biotechnol.* 2009, 830616 (2009).

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