

PRODUCT INFORMATION



Acacetin

Item No. 20827

CAS Registry No.: 480-44-4

Formal Name: 5,7-dihydroxy-2-(4-methoxyphenyl)-4H-1-benzopyran-4-one

Synonyms: LY064233, NSC 76061

MF: $C_{16}H_{12}O_5$

FW: 284.3

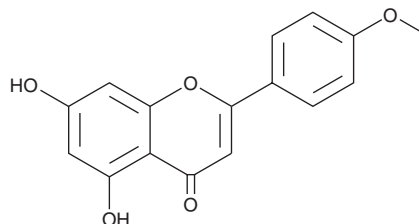
Purity: $\geq 98\%$

UV/Vis.: λ_{max} : 213, 268, 327 nm

Supplied as: A crystalline solid

Storage: -20°C

Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly



Laboratory Procedures

Acacetin is supplied as a crystalline solid. A stock solution may be made by dissolving the acacetin in the solvent of choice. Acacetin is soluble in organic solvents such as DMSO and dimethyl formamide, which should be purged with an inert gas. The solubility of acacetin in these solvents is approximately 15 mg/ml.

Acacetin is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, acacetin should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. Acacetin has a solubility of approximately 0.33 mg/ml in a 1:2 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

Acacetin is an O-methylated flavone found in various plants. It is reported to demonstrate spasmolytic, antinociceptive, anti-inflammatory, and antioxidant activity in various research models.^{1,2}

References

1. 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).
2. Jaganathan, S.K. and Mandal, M. Antiproliferative effects of honey and of its polyphenols: A review. *J. Biomed. Biotechnol.* **2009**, 830616 (2009).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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