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Produktinformation

- Forschungsprodukte & Biochemikalien
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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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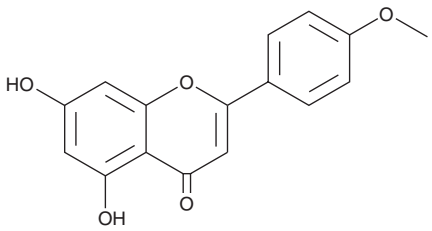
PRODUCT INFORMATION

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:	≥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).

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