



Product Information

CAS Registry No. 520-18-3

Product Name: **Kaempferol, 95%**

Catalog No. **K0117**

Chemical Name: 3,5,7-Trihydroxy-2-(4-hydroxyphenyl)-4H-1-benzo- pyran-4-one

Synonym(s): Nimbecetin; Populnetin;
Rhamnolutein; Robigenin; Swartziol;
Trifolitin

Mol. formula: C₁₅H₁₀O₆

Formula wt: 286.24

M.p. 276°C-278°C

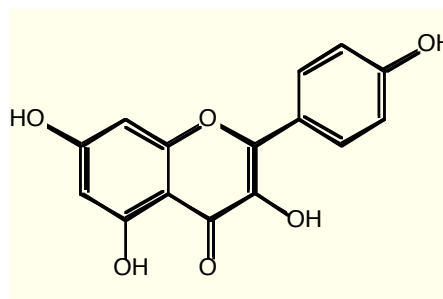
B.p.

Purity: ≥95%

Solubility: Slightly soluble in water. Soluble in hot alcohol, ether or alkalies.

Stability (in original shipping container):

Storage temp: -20 deg C



Product Description:

Kaempferol is a flavonoid present in various natural sources including red wines and the leaves of *Ginkgo biloba*. Kaempferol was found to inhibit COX-2 expression in colon cancer cells. It is cytotoxic to human leukemic cell lines. Its cytotoxicity and chemopreventive activities may be attributed to its ability to induce apoptosis.

References:

Burns, J., Gardner, P.T., O'Neil, J. *et al.* *J. Agric. Food Chem.* **48**:220-230 (2000).

Watson, D.G., Oliveira, E.J. *J. Chromatogr. B. Biomed. Sci. Appl.* **723**:203-210 (1999).

Mutoh, M., Takahashi, M., Fukuda, K., *et al.* *Carcinogenesis.* **21**:959-963 (2000).

Dimas, K., Demetzos, C., Mitaku, S., *et al.* *Pharmacol. Res.* **41**:85-88 (2000).

Wang, I.K., Lin-Shiau, S.Y., Lin, J.K. *Eur. J. Cancer.* **35**:1517-1525

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.

PRICING

1 mg	\$30.80
5 mg	\$123.00
10 mg	\$153.70

Bulk quantity available upon request

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