

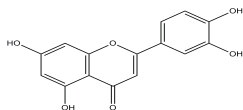
**PRODUCT: Luteolin**

**ALTERNATE NAME:** 2-(3,4-Dihydroxyphenyl)- 5,7-dihydroxy-4-chromenone; Luteolol; Digitoflavone; Flacitran; Luteoline

**CATALOG #:** 2005-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>15</sub>H<sub>10</sub>O<sub>6</sub>

**MOLECULAR WEIGHT:** 286.24

**CAS NUMBER:** 491-70-3

**APPEARANCE:** Yellow solid

**SOLUBILITY:** DMSO (50 mM)

**PURITY:** ≥98% by TLC

**STORAGE:** Store at -20 °C. Protect from light.

**DESCRIPTION:** A flavonoid compound that displays antioxidant, anti-inflammatory and anti-tumor properties. Inhibits LPS-induced TNF-α, IL-6 and inducible nitric oxide production and blocks NF-κB and AP-1 activation. Also acts as a monoamine transporter activator.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

- Ascorbic Acid Assay Kit (**Cat. No. K661-100**)
- Ascorbic Acid Assay Kit II (FRASC) (**Cat. No. K671-100**)
- Catalase Assay kit (**Cat. No. K773-100**)
- Deferoxamine Mesylate**
- (-)-Epigallocatechin gallate (**Cat. No. 1841-50**)
- Glutathione (GSH/GSSG Total) Assay Kit (**Cat. No. K264-100**)
- Glutathione Colorimetric Assay Kit (**Cat. No. K261-100**)
- Glutathione Fluorometric Assay Kit (**Cat. No. K251-100**)
- Glutathione Peroxidase Assay Kit (**Cat. No. K762-100**)
- Glutathione Reductase Assay Kit (**Cat. No. K761-100**)
- GST Colorimetric Assay Kit (**Cat. No. K263-100**)
- GST Fluorometric Assay Kit (**Cat. No. K263-100**)
- Hydrogen Peroxide Assay Kit (**Cat. No. K265-100**)
- Nitric Oxide Colorimetric Assay Kit (**Cat. No. K263-100**)
- Nitric Oxide Fluorometric Assay Kit (**Cat. No. K252-100**)
- Piperlongumine (**Cat. No. 1919-10, 50**)
- Piperlonguminine (**Cat. No. 1988-10, 50**)
- Resveratrol (**Cat. No. 1758-100, 500**)
- Rosmarinic Acid (**Cat. No. 1843-50, 250**)
- SOD Activity Assay Kit (**Cat. No. K335-100**)
- Thioredoxin Reductase Assay Kit (**Cat. No. K763-100**)
- Tiliroside (**Cat. No. 1879-1,5**)
- Total Antioxidant Capacity Assay Kit (**Cat. No. K274-100**)
- Uric Acid Assay Kit (**Cat. No. K608-100**)
- Xanthine Oxidase Assay Kit (**Cat. No. K710-100**)

**USAGE:** *FOR RESEARCH CH USE ONLY! Not to be used in humans*