

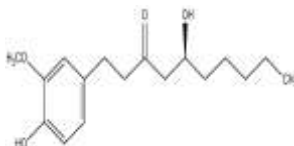
## Product: 6-Gingerol

**ALTERNATE NAME:** 3-Decanone, 5-hydroxy-1-(4-hydroxy-3-methoxyphenyl)-, (5S)-, 5-Hydroxy-1-(4-hydroxy-3-methoxyphenyl)-3-decanone

**CATALOG #:** 2507-5, 25, 100

**AMOUNT:** 5 mg, 25 mg, 100 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>17</sub>H<sub>26</sub>O<sub>4</sub>

**MOLECULAR WEIGHT:** 294.39

**CAS No.** 23513-14-6

**APPEARANCE:** Yellow oil

**SOLUBILITY:** DMSO or EtOH

**PURITY:** >98% by HPLC

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

**DESCRIPTION:** Bioactive compound found in ginger (*Zingiber officinale*). Displays antioxidant, anti-inflammatory and antitumor properties. [6]-Gingerol down regulates proinflammatory cytokine release by macrophages. It has been shown to inhibit COX-2 expression by blocking the activation of p38 MAP kinase and NF-κB in phorbol ester-stimulated mouse skin. Gingerol has been investigated for its effect on cancerous tumors in the bowel, breast tissue, ovaries, the pancreas, among other tissues, with positive results.

**REFERENCES:** Kim, S.O., *et al.* (2005). *Oncogene* **24**, 2558-2567.

**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)
- Caffeic Acid (Cat. No. 2006-100, 500)
- Carnosic Acid (Cat. No. 2075-5, 25)
- Catalase Assay kit (Cat. No. K773-100)
- Deferoxamine Mesylate (1883-500, 1000)
- (-)-Epigallocatechin gallate (Cat. No. 1841-50)
- FeTPPS (Cat. No. 2065-25, 100)
- 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)
- Luteolin (Cat. No. 2005-5, 25)
- MnTBAP Chloride (Cat. No. 2058-10, 50)
- MnTMPyp Pentachloride (Cat. No. 2056-10, 50)
- Nitric Oxide Colorimetric Assay Kit (Cat. No. K263-100)
- Nitric Oxide Fluorometric Assay Kit (Cat. No. K252-100)
- Piceatannol (Cat. No. 2072-5, 25)
- Piperlongumine (Cat. No. 1919-10, 50)
- Piperlonguminine (Cat. No. 1988-10, 50)
- Pterostilbene (Cat. No. 2073-5, 25)
- Resveratrol (Cat. No. 1758-100, 500)
- Rhapontigenin (Cat. No. 2074-1, 5)
- 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)
- Trolox (Cat. No. 2076-50, 250)
- Uric Acid Assay Kit (Cat. No. K608-100)
- Xanthine Oxidase Assay Kit (Cat. No. K710-100)

**FOR RESEARCH USE ONLY! Not to be used in humans.**