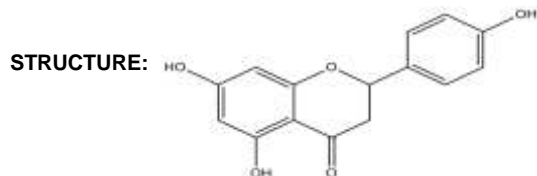


Naringenin

ALTERNATE NAME: 5,7,4'-Trihydroxyflavanone; 2,3-dihydro-5,7-dihydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one; NGEN

CATALOG #: 1772-250, 1000

AMOUNT: 250 mg, 1 G



MOLECULAR FORMULA: C₁₅H₁₂O₅

MOLECULAR WEIGHT: 272.26

CAS NUMBER: 480-41-1

APPEARANCE: Brown solid

SOLUBILITY: DMSO or EtOH (50 mg/ml)

PURITY: ≥98% by TLC

STORAGE: Store at -20 °C

DESCRIPTION: The major flavanone found in grapefruit. Acts as an antioxidant, free radical scavenger and carbohydrate metabolism promoter. Shows cytotoxicity in various human cell lines and promotes apoptosis in rat C6 glioma model. Naringenin seems to protect LDL-receptor deficient mice from the obesity effects of a high-fat diet. Also lowers the plasma and hepatic cholesterol concentrations by suppressing HMG-CoA reductase and ACAT in rats fed with a high-cholesterol diet.

REFERENCE: Sabarinathan, D., *et al.* (2010). *Mol. Cell. Biochem.* **Aug 18**

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

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- Genistein (**Cat. No. 1533-10, 100**)
- Genistin (**Cat. No. 1535-10**)
- Quercetin, Dihydrate (**Cat. No. 1773-250, 1000**)