

CERTIFICATE OF ANALYSIS

PRODUCT:	Naringenin, 5,7,4'-Trihydroxyflavanone; 2,3-dihydro-5,7-dihydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one; NGEN C ₁₅ H ₁₂ O ₅ ; M.W. 272.26; CAS: 480-41-1
PRODUCT NUMBER:	N-2361
LOT NUMBER:	H1105
APPEARANCE:	Brown solid
SOLUBILITY:	DMSO or EtOH @ 50mg/ml
PURITY (TLC):	≥ 98%
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.
STORAGE & HANDLING:	Store desiccated at -20°C. <u>WARNING:</u> HARMFUL! IRRITANT! CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: SK