Phone: 888-558-5227

651-644-8424 888-558-7329

Fax: Email: getinfo@lktlabs.com

Web: lktlabs.com

Product Information

Product ID N0069

CAS No. 10236-47-2

Chemical Name 7-[[2-0-(6-Deoxy-α-L-mannopyranosyl)-β-D-gluco-pyranosyl]oxy]-2,3-

dihydro-5-hydroxy-2-(4-hydroxy- phenyl)-4H-1-benzopyran-4-one

Synonym Naringenin-7-rhamnoglucoside, Aurantiin

Formula C₂₇H₃₂O₁₄ Formula Wt. 580.53 Melting Point 175-180°C Purity ≥97%

Solubility Soluble in water (1 mg/ml),

alcohol, acetone, and warm

acetic acid

HO HOHÔ H HO. ОН

Bulk quanitites available upon request

Size	List Price
1 g	
25 g	
100 g	
	1 g 25 g

Store Temp Ambient Ship Temp Ambient

Description Naringin is a phytoestrogen and flavanone glycoside originally found in citrus fruits that exhibits anti-angiogenic, anticancer chemotherapeutic, antioxidative, neuroprotective, cognition enhancing, nephroprotective, and anti-inflammatory activities. Naringin inhibits release of VEGF in ER+ breast cancer cells; in similar cancer models, naringin increases expression of p21 and decreases expression of survivin and B-catenin, suppressing cell and tumor growth. This compound binds estrogen receptors, acting as a selective estrogen receptor modulator (SERM) in a concentration-dependent manner. Naringin also improves colchicine-induced deficits in cognitive performance and attenuates oxidative damage by decreasing levels of malondialdehyde and nitrates and increasing activity of superoxide dismutase, catalase, and glutathione-S-transferase. Naringin also improves cognitive function and CaMKII activity in animal models of Alzheimer's disease. Additionally, this compound inhibits gentamicininduced increases in TNF-α, IL-6, and NF-κB and suppresses levels of Bax, caspase 3, and p53.

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