



LKT Laboratories, Inc.

Ginsenoside Rg₂

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID G3459

CAS No. 52286-74-5

Chemical Name

Synonym

Formula C₄₂H₇₂O₁₃

Formula Wt. 785.01

Melting Point

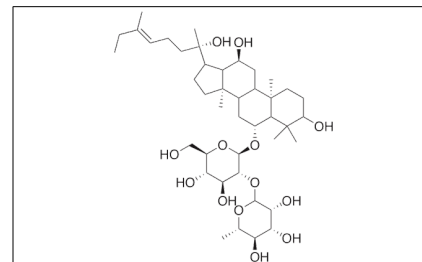
Purity ≥98%

Solubility

Store Temp 4°C

Ship Temp Ambient

Description Ginsenoside Rg₂ is a triterpene saponin originally found in species of *Panax* that exhibits anti-atherosclerotic, anti-diabetic, and neuroprotective activities. Ginsenoside Rg₂ inhibits LPS-stimulated production of VCAM-1 and ICAM-1, prevents degradation of IκBα, and suppresses leukocyte adhesion in models of atherosclerosis. Ginsenoside Rg₂ also decreases production of PEPCK and G6Pase and phosphorylates AMPK and GSK-3β, suppressing hepatic glucose production in vitro. Additionally, this compound decreases expression of Bcl-2 and HSP70 and increases expression of Bax and p53, improving neural performance and cognition in animal models of vascular dementia.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
G3459	1 mg	\$92.00
G3459	5 mg	\$306.20
G3459	10 mg	\$408.30

References Cho YS, Kim CH, Ha TS, et al. Ginsenoside rg2 inhibits lipopolysaccharide-induced adhesion molecule expression in human umbilical vein endothelial cell. *Korean J Physiol Pharmacol.* 2013 Apr;17(2):133-7. PMID: 23626475.

Yuan HD, Kim do Y, Quan HY, et al. Ginsenoside Rg₂ induces orphan nuclear receptor SHP gene expression and inactivates GSK3β via AMP-activated protein kinase to inhibit hepatic glucose production in HepG2 cells. *Chem Biol Interact.* 2012 Jan 5;195(1):35-42. PMID: 22062806.

Zhang G, Liu A, Zhou Y, et al. *Panax ginseng* ginsenoside-Rg₂ protects memory impairment via anti-apoptosis in a rat model with vascular dementia. *J Ethnopharmacol.* 2008 Feb 12;115(3):441-8. PMID: 18083315.

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