



LKT Laboratories, Inc.

Pseudoginsenoside F11

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Product Information

Product ID P7318

CAS No. 69884-00-0

Chemical Name

Synonym (3B,6a,12B,24R)-20,24-Epoxy-3,12,25-trihydroxydammaran-6-yl 2-O-(6-deoxy- α -L-mannopyranosyl)-B-D-glucopyranoside, Ginsenoside A1

Formula $C_{42}H_{72}O_{14}$

Formula Wt. 801.49

Melting Point

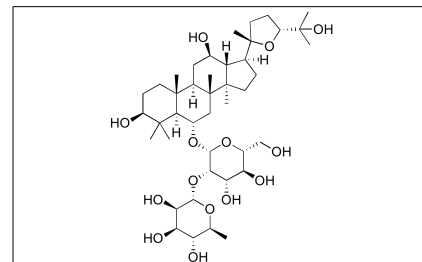
Purity $\geq 98\%$

Solubility

Store Temp 4°C

Ship Temp Ambient

Description Pseudoginsenoside F11 is a saponin originally found in species of *Panax* (ginseng) that exhibits anti-inflammatory, anti-diabetic, neuroprotective, cognition enhancing, and antioxidative activities. Pseudoginsenoside F11 inhibits LPS-stimulated expression of ROS, NO, Prostaglandin E2 (PGE2), IL-1B, IL-6, TNF- α , toll-like receptor 4 (TLR4), and MyD88, and suppresses activation of Akt and NF- κ B in vitro and in vivo. Additionally, pseudoginsenoside F11 acts as a PPAR γ agonist, promoting adiponectin oligomerization and secretion. This compound also inhibits amyloid-B (AB)-induced learning and memory impairment in animal models of Alzheimer's disease and improves 6OHDA-induced motor coordination and activity impairments and oxidative damage in animal models of Parkinson's disease.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P7318	1 mg	\$102.20
P7318	5 mg	\$245.30
P7318	10 mg	\$347.00
P7318	25 mg	\$714.70

References Wang X, Wang C, Wang J, et al. Pseudoginsenoside-F11 (PF11) exerts anti-neuroinflammatory effects on LPS-activated microglial cells by inhibiting TLR4-mediated TAK1/IKK/NF- κ B, MAPKs and Akt signaling pathways. *Neuropharmacology*. 2014 Apr;79:642-56. PMID: 24467851.

Wu G, Yi J, Liu L, et al. Pseudoginsenoside F11, a Novel Partial PPAR γ Agonist, Promotes Adiponectin Oligomerization and Secretion in 3T3-L1 Adipocytes. *PPAR Res*. 2013;2013:701017. PMID: 24454336.

Wang JY, Yang JY, Wang F, et al. Neuroprotective effect of pseudoginsenoside-f11 on a rat model of Parkinson's disease induced by 6-hydroxydopamine. *Evid Based Complement Alternat Med*. 2013;2013:152798. PMID: 24386001.

Wang CM, Liu MY, Wang F, et al. Anti-amnesic effect of pseudoginsenoside-F11 in two mouse models of Alzheimer's disease. *Pharmacol Biochem Behav*. 2013 May;106:57-67. PMID: 23541491.

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