LKT Laboratories, Inc.

Vitexin

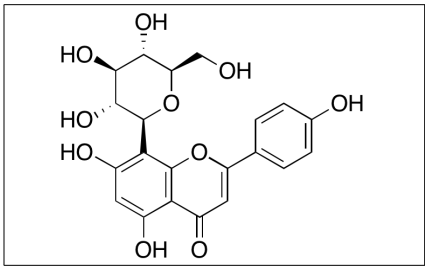
Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID V344766
CAS No. 3681-93-4
Chemical Name

Synonym Apigenin-8-C-glucoside

Formula $C_{21}H_{20}O_{10}$
Formula Wt. 432.38
Melting Point
Purity ≥98%
Solubility Soluble in water and in DMSO



Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
V344766	5 mg	$33.10
V344766	25 mg	$108.00
V344766	100 mg	$308.70

Store Temp -20°C
Ship Temp Ambient

Description Vitexin is a naturally occurring flavonoid found in hawthorn leaves. Treatment of diabetic rats with vitexin has been found to result in pancreatic islet regeneration, prevention of beta-cell destruction, and suppression of lipopolysaccharide-induced release of HMGB1 protein. Pretreatment of neonatal C57BL/6 mice with vitexin provided neuroprotection against hypoxic-ischemic brain injury. In addition, vitexin is has shown anti-oxidant, anti-inflammatory, analgesic, and antitumor activities in several cancer models and cell lines. It has been found to impact the JNK MAPK signaling pathway to inhibit growth of hepatocellular carcinoma cells.

TEST!!!!!!

References

Nurdiana S, Goh YM, Ahmad H, et al. Changes in pancreatic histology, insulin secretion and oxidative status in diabetic rats following treatment with Ficus deltoidea and vitexin. BMC Complement Altern Med. 2017 Jun 2;17(1):290. PMID: 28576138.

Wang F, Yin J, Ma Y, et al. Vitexin alleviates lipopolysaccharide-induced islet cell injury by inhibiting HMGB1 release. Mol Med Rep. 2017 Mar;15(3):1079-1086. PMID: 28098903.

Min JW, Kong WL, Han S, et al. Vitexin protects against hypoxic-ischemic injury via inhibiting Ca2+/Calmodulin-dependent protein kinase II and apoptosis signaling in the neonatal mouse brain. Oncotarget. 2017 Apr 11;8(15):25513-25524. PMID: 28424420.

He JD, Wang Z, Li SP, et al. Vitexin suppresses autophagy to induce apoptosis in hepatocellular carcinoma via activation of the JNK signaling pathway. Oncotarget. 2016 Dec 20;7(51):84520-84532. PMID: 27588401.