



LKT Laboratories, Inc.

Eupatilin

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: getinfo@lctlabs.com

Web: lctlabs.com

Product Information

Product ID E8260

CAS No. 22368-21-4

Chemical Name 2-(3,4-Dimethoxyphenyl)-5,7-dihydroxy-6-methoxy-4H-chromen-4-one

Synonym NSC 122413; Stillen

Formula C₁₈H₁₆O₇

Formula Wt. 344.32

Melting Point

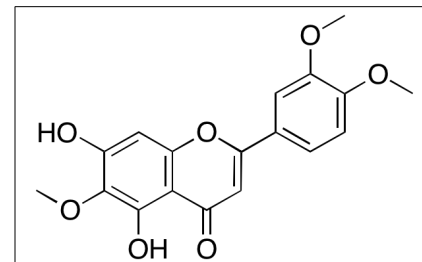
Purity ≥98%

Solubility Soluble in DMSO, hot methanol or mixture of methanol and chloroform.

Store Temp -20° C

Ship Temp Ambient

Description Eupatilin is an O-methylated flavone found in Artemisia; it exhibits anticancer chemotherapeutic, nephroprotective, anti-inflammatory, anti-arthritic, antinociceptive, gastrointestinal motility modulating, antidepressant, antioxidative, neuroprotective, and anti-angiogenic activities. In gastric cancer cells, eupatilin suppresses cell growth; in animal models of gastric cancer, eupatilin inhibits STAT3 and VEGF expression and decreases tumor growth. This compound activates PPARα and ameliorates kidney injury in models of renal ischemia/reperfusion. Additionally, eupatilin inhibits cartilage degradation, decreases nociception, and downregulates expression of IL-6, iNOS, and IL-1β in animal models of osteoarthritis. Eupatilin also slows gastrointestinal motility in animal models, protects against cerebral ischemia/reperfusion-induced neuronal damage, and decreases immobility time in animals undergoing the forced swim test.



Bulk quantities available upon request

Product ID	Size
E8260	5 mg
E8260	25 mg

References Choi Y, Jung Y, Kim SN. Identification of Eupatilin from Artemisia argyi as a Selective PPARα Agonist Using Affinity Selection Ultrafiltration LC-MS. *Molecules*. 2015 Jul 28;20(8):13753-63. PMID: 26225954.

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Jeong HJ, Kim JH, Kim NR, et al. Antidepressant effect of Stillen. *Arch Pharm Res*. 2015 Jun;38(6):1223-31. PMID: 25163682.

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Ryoo SB, Oh HK, Yu SA, et al. The effects of eupatilin (stillen®) on motility of human lower gastrointestinal tracts. *Korean J Physiol Pharmacol*. 2014 Oct;18(5):383-90. PMID: 25352757.

Park BB, Yoon Js, Kim Es, et al. Inhibitory effects of eupatilin on tumor invasion of human gastric cancer MKN-1 cells. *Tumour Biol*. 2013 Apr;34(2):875-85. PMID: 23292941.

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