



LKT Laboratories, Inc.

n-Octyl-3,4-Dimethylcaffeate

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: getinfo@lktlabs.com

Web: lktlabs.com

Product Information

Product ID O1177

CAS No.

Chemical Name

Synonym 3,4-Dimethylcaffeic acid n-octyl ester, 3,4-dimethoxycinnamic acid n-octyl ester

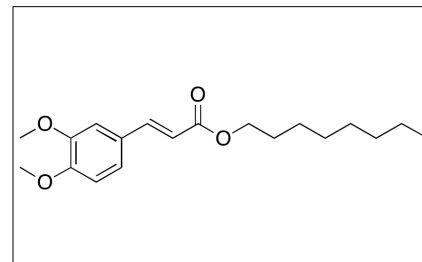
Formula C₁₉H₂₈O₄

Formula Wt. 320.42

Melting Point

Purity ≥98%

Solubility



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
O1177	5 mg	\$41.40
O1177	25 mg	\$165.30

Store Temp 4°C

Ship Temp Ambient

Description This product is a methylated derivative of n-octyl-caffeate. n-Octyl caffeate exhibits antioxidative, anti-metastatic, anticancer chemotherapeutic, and chemopreventive activities. n-Octyl caffeate decreases lipid peroxidation, activity of xanthine oxidase, activation of JNK and ERK, and production of NO and iNOS in rat brain homogenate; it also prevents the LPS-induced drop in mean arterial pressure in aortic smooth muscle cells. In animal models of tumor metastasis, n-octyl caffeate decreases tumor nodules.

References Nagaoka T, Banskota AH, Tezuka Y, et al. Inhibitory effects of caffeic acid phenethyl ester analogues on experimental lung metastasis of murine colon 26-L5 carcinoma cells. *Biol Pharm Bull.* 2003 May;26(5):638-41. PMID: 12736504.

Hsiao G, Shen MY, Chang WC, et al. A novel antioxidant, octyl caffeate, suppression of LPS/IFN-gamma-induced inducible nitric oxide synthase gene expression in rat aortic smooth muscle cells. *Biochem Pharmacol.* 2003 Apr 15;65(8):1383-92. PMID: 12694879.

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