



LKT Laboratories, Inc.

n-Octyl-4-methylcaffeate

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Product Information

Product ID O1179

CAS No.

Chemical Name

Synonym 4-Methylcaffeic acid n-octyl ester, 3-Hydroxy-4-methoxycinnamic acid n-octyl ester

Formula C₁₈H₂₆O₄

Formula Wt. 306.40

Melting Point

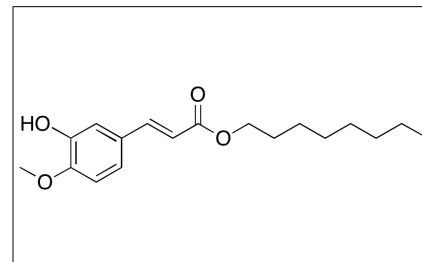
Purity ≥98%

Solubility

Store Temp 4°C

Ship Temp Ambient

Description This product is a hydroxycinnamic acid and 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.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
O1179	1 mg	\$82.70
O1179	5 mg	\$206.60
O1179	25 mg	\$827.00

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.