



LKT Laboratories, Inc.

Methyl Caffeate

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Product Information

Product ID M1560

CAS No. 3843-74-1

Chemical Name Methyl 3-(3,4-dihydroxyphenyl)-2-propenoate

Synonym 3,4-Dihydroxycinnamic acid methylester

Formula C₁₀H₁₀O₄

Formula Wt. 194.19

Melting Point 163-165°C

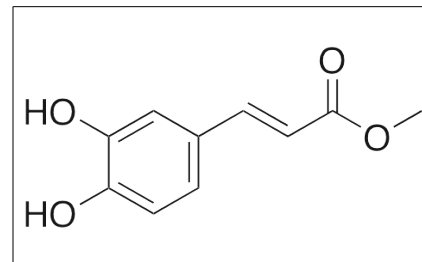
Purity ≥98%

Solubility Soluble in acetone,
methanol, or DMSO.

Store Temp -20°C

Ship Temp Ambient

Description Methyl caffeate is a polyphenol found in species of *Solanum* and *Magnolia*; it exhibits antibiotic, anti-diabetic, antiviral, and anticoagulant activities. Methyl caffeate displays antibacterial efficacy against *Pseudomonas*, *Klebsiella*, and *Mycobacterium*. This compound also inhibits HIV replication and displays antiplatelet activity in various in vitro models. In diabetic rats, methyl caffeate decrease blood glucose levels and upregulates expression of GLUT4; it also inhibits α-glucosidase. Methyl caffeate exhibits weaker anticancer and chemopreventive activities than other caffeic acid esters. TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
M1560	50 mg	\$67.40
M1560	100 mg	\$119.90
M1560	500 mg	\$479.40

References Balachandran C, Duraipandiyan V, Al-Dhabi NA, et al. Antimicrobial and Antimycobacterial Activities of Methyl Caffeate Isolated from *Solanum torvum* Swartz. Fruit. Indian J Microbiol. 2012 Dec;52(4):676-81. PMID: 24293730.

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Takahashi K, Yoshioka Y, Kato E, et al. Methyl caffeate as an alpha-glucosidase inhibitor from *Solanum torvum* fruits and the activity of related compounds. Biosci Biotechnol Biochem. 2010;74(4):741-5. PMID: 20378981.

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