

Product Data Sheet

Product Name: Ethyl Caffeate

Cat. No.: GC38678

Chemical Properties

Cas. No. 102-37-4

SMILES O=C(OCC)/C=C/C1=CC=C(O)C(O)=C1

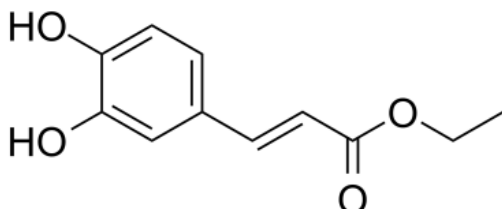
Formula $C_{11}H_{12}O_4$ M.Wt 208.21

Solubility DMSO: 250 mg/mL (1200.71 mM) Storage 4°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Ethyl Caffeate is a natural phenolic compound isolated from *Bidens pilosa*. Ethyl caffeate suppresses NF-κB activation and its downstream inflammatory mediators, inducible nitric oxide synthase (iNOS), cyclooxygenase-2 (COX-2), and prostaglandin E2 (PGE2) in vitro or in mouse skin[1].

Ethyl Caffeate markedly suppresses the lipopolysaccharide (LPS)-induced nitric oxide (NO) production with IC50 of 5.5 µg/ml[1].

Caution: Product has not been fully validated for medical applications. For research use only.

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[1]. Chiang YM, et al. Ethyl caffeate suppresses NF-kappaB activation and its downstream inflammatory mediators, iNOS, COX-2, and PGE2 in vitro or in mouse skin. Br J Pharmacol. 2005 Oct;146(3):352-63.

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