

Product Data Sheet

Product Name: (E)-Ferulic acid

Cat. No.: GC34980

Chemical Properties

Cas. No. 537-98-4

SMILES O=C(O)/C=C/C1=CC=C(O)C(OC)=C1.[E]

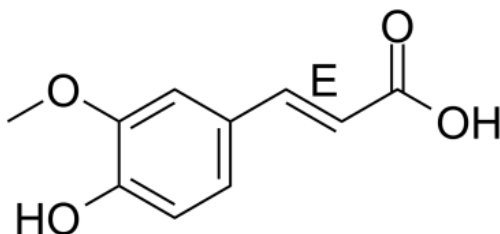
Formula $C_{10}H_{10}O_4$ M.Wt 194.18

Solubility DMSO: 100 mg/mL (514.99 mM) Storage Store at -20°C

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

(E)-Ferulic acid is an isomer of Ferulic acid which is an aromatic compound, abundant in plant cell walls. (E)-Ferulic acid causes the phosphorylation of β -catenin, resulting in proteasomal degradation of β -catenin and increases the expression of pro-apoptotic factor Bax and decreases the expression of pro-survival factor survivin. (E)-Ferulic acid shows a potent ability to remove reactive oxygen species (ROS) and inhibits lipid peroxidation. (E)-Ferulic acid exerts both anti-proliferation and anti-migration effects in the human lung cancer cell line H1299[1]. Bax

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

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[1]. Fong Y, et al. Inhibitory effect of trans-ferulic acid on proliferation and migration of human lung cancer cells accompanied with increased endogenous reactive oxygen species and β -catenin instability. Chin Med. 2016 Oct 1;11:45.

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