

Product Data Sheet

Product Name: Coniferyl ferulate

Cat. No.: GC35727

Chemical Properties

Cas. No. 63644-62-2

SMILES O=C(OC/C=C/C1=CC=C(O)C(OC)=C1)/C=C/C2=CC=C(O)C(OC)=C2

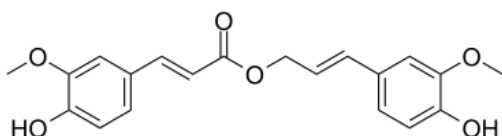
Formula $C_{20}H_{20}O_6$ M.Wt 356.37

Solubility DMF: 20 mg/ml, DMSO: 20 mg/ml, Ethanol: 3 mg/ml 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

Coniferyl ferulate, a strong inhibitor of glutathione S-transferase (GST) isolated from *Radix Angelicae sinensis*, reverses multidrug resistance and downregulates P-glycoprotein. Coniferyl ferulate shows strong inhibition of human placental GST with an IC₅₀ of 0.3 μM[1]. Glutathione S-transferase[1]P-glycoprotein[1]

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

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[1]. Chen C, et al. Coniferyl Ferulate, a Strong Inhibitor of Glutathione S-Transferase Isolated from Radix Angelicae sinensis, Reverses Multidrug Resistance and Downregulates P-Glycoprotein. Evid Based Complement Alternat Med. 2013;2013:639083.

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