

Product Data Sheet

Product Name: Auraptene

Cat. No.: GC42873

Chemical Properties

Cas. No. 495-02-3

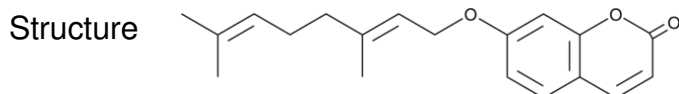
SMILES O=C1C=CC2=C(C=C(OC/C=C(C)/CC/C=C(C)\C)C=C2)O1

Formula C₁₉H₂₂O₃ M.Wt 298.4

Solubility DMF: 14 mg/ml, DMF:PBS(pH7.2) (1:2): 0.3 mg/ml, DMSO: 12 mg/ml, Ethanol: 12 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.



Background

Auraptene is a coumarin derived from citrus plants that bears a geranyloxyl moiety at its C-7. It has anti-inflammatory, anti-carcinogenic, anti-bacterial, neuroprotective, and hepatoprotective activities. It inhibits leukocyte activation and induces phase II enzymes during the initiation phase of carcinogenesis. When examined for its potential use in Alzheimer's disease treatment, auraptene was shown to inhibit β -secretase (BACE1) activity with an IC₅₀ value of 345.1 μ M.

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

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