

Product Data Sheet

Product Name: Isopimpinellin

Cat. No.: GC39140

Chemical Properties

Cas. No. 482-27-9

SMILES O=C1C=CC2=C(OC)C3=C(OC=C3)C(OC)=C2O1

Formula $C_{13}H_{10}O_5$ M.Wt 246.22

Solubility DMSO : 50 mg/mL (203.07 mM; Need ultrasonic) 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.

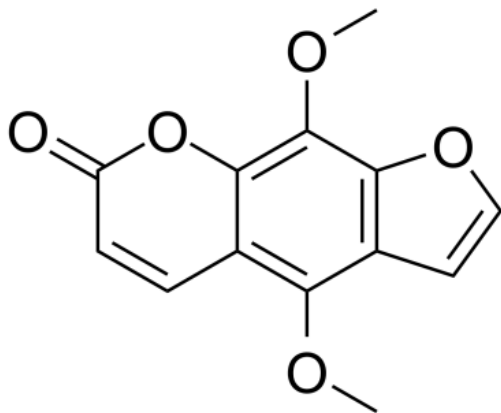
Caution: Product has not been fully validated for medical applications. For research use only.

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Product Data Sheet

Structure



Background

Isopimpinellin, an orally active compound isolated from the roots of *Pimpinella saxifrage*. Isopimpinellin blocks DNA adduct formation and skin tumor initiation by 7,12-dimethylbenz[a]anthracene. Isopimpinellin possesses anti-leishmania effect[1].

[1]. Kleiner HE, et al. Oral administration of the citrus coumarin, isopimpinellin, blocks DNA adduct formation and skin tumor initiation by 7,12-dimethylbenz[a]anthracene in SENCAR mice. *Carcinogenesis*. 2002 Oct;23(10):1667-75.

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