

Product Data Sheet

Product Name: Phellopterin

Cat. No.: GC38992

Chemical Properties

Cas. No. 2543-94-4

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

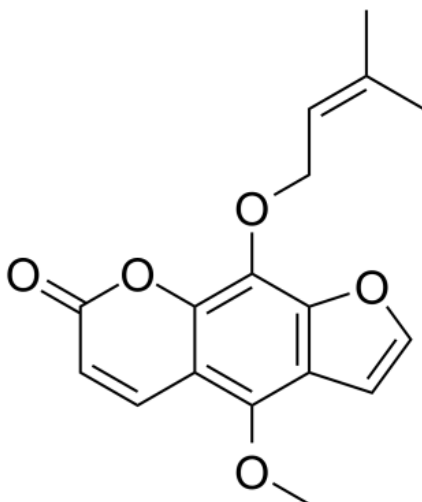
Formula $C_{17}H_{16}O_5$ M.Wt 300.31

Solubility DMSO : 100 mg/mL (332.99 mM; Need ultrasonic) 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

Phellopterin is a natural product isolated from *P. trifoliata*. Phellopterin reduce TNF-alpha-induced VCAM-1 expression through regulation of the Akt and PKC pathway, which contributes to inhibit the adhesion of monocytes to endothelium[1].

[1]. Nizamutdinova IT, et al. Hesperidin, hesperidin methyl chalone and phellopterin from *Poncirus trifoliata* (Rutaceae) differentially regulate the expression of adhesion molecules in tumor necrosis

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

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factor-alpha-stimulated human umbilical vein endothelial cells. Int Immunopharmacol. 2008 May;8(5):670-8.

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