

Product Data Sheet

Product Name: Isoscopoletin

Cat. No.: GC36342

Chemical Properties

Cas. No. 776-86-3

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

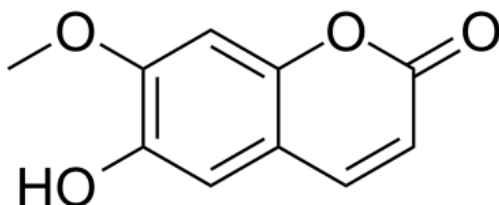
Formula $C_{10}H_8O_4$ M.Wt 192.17

Solubility DMSO : 100 mg/mL (520.37 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.

Structure



Background

Isoscopoletin (6-Hydroxy-7-methoxycoumarin) is an active constituent in *Artemisia argyi* leaves. Isoscopoletin shows substantial inhibition against cell proliferation, with IC₅₀s of 4.0 μM and 1.6 μM for human CCRF-CEM leukaemia cells and multidrug resistant subline CEM/ADR5000, respectively[1]. Isoscopoletin (6-Hydroxy-7-methoxycoumarin) possesses inhibitory activity against HBV replication[2].

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

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[1]. Adams M, et al. Activity-guided isolation of scopoletin and isoscopoletin, the inhibitory active principles towards CCRF-CEM leukaemia cells and multi-drug resistant CEM/ADR5000 cells, from *Artemisia argyi*. *Planta Med.* 2006 Jul;72(9):862-4. [2]. Li H, et al. Evaluation of antiviral activity of compounds isolated from *Ranunculus sieboldii* and *Ranunculus sceleratus*. *Planta Med.* 2005 Dec;71(12):1128-33.

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