

Product Data Sheet

Product Name: Erianin
Cat. No.: GC30309

Chemical Properties

Cas. No. 95041-90-0

SMILES OC1=CC(CCC2=CC(OC)=C(OC)C(OC)=C2)=CC=C1OC

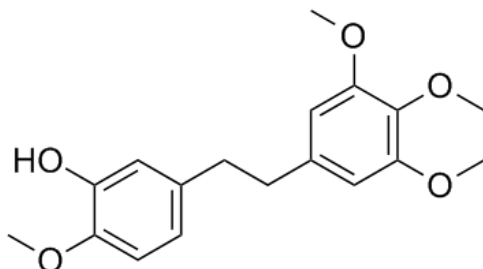
Formula $C_{18}H_{22}O_5$ M.Wt 318.36

Solubility DMSO : 125 mg/mL (392.64 mM) 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

Erianin, often used as an antipyretic and analgesic agent, could inhibit IDO-induced tumor angiogenesis.

Erianin is often used as antipyretic and analgesic agent. Erianin belongs to bibenzyl derivatives in structure, with the activity of anti-virus, anti-bacterial, as well as anti-benign prostatic hyperplasia. Erianin has obvious damage on 2LL-IDO cells, Erianin basically has no cytotoxicity on human normal liver cell line L02, and cell viability is maintained at around 85%[1]. Erianin inhibits the growth of

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

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HeLa cells and induces apoptosis in a dose- and time-dependent manner, inducing cell cycle arrest at the G2/M stage. Erianin treatment also increases the expression of Bax and caspase-3, but decreases levels of Bcl-2 and phosphorylated-ERK1/2[2].

[1]. Su C, et al. Erianin inhibits indoleamine 2, 3-dioxygenase -induced tumor angiogenesis. *Biomed Pharmacother.* 2017 Apr;88:521-528. [2]. Li M, et al. Erianin inhibits human cervical cancer cell through regulation of tumor protein p53 via the extracellular signal-regulated kinase signaling pathway. *Oncol Lett.* 2018 Oct;16(4):5006-5012.

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