

Dictamine

Catalog No: tcsc3267



Available Sizes

Size: 5mg

Size: 10mg



Specifications

CAS No:

484-29-7

Formula:

$C_{12}H_9NO_2$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

Dictamnine;Dectamine

Observed Molecular Weight:

199.21

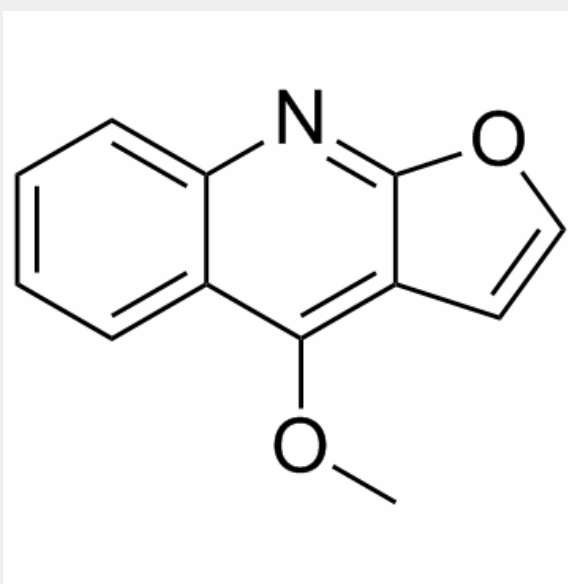
Product Description

Dictamnine (Dictamine) has the ability to exert cytotoxicity in human cervix, colon, and oral carcinoma cells; A natural plant product has been reported to have antimicrobial activity against bacteria and fungi.

IC50 value:

Target:

Dictamnine has antimicrobial activities against the model fungus *Saccharomyces cerevisiae*, with a minimum inhibitory concentration (MIC) value of 64 microg/ml [1]. Dic induced S phase cell cycle arrest at low concentration and cell apoptosis at high concentration in which loss of mitochondrial membrane potential ($\Delta\psi_{mm}$) was not involved. In addition, inhibition of caspase-3 using the specific inhibitor, z-DQMD-fmk, did not attenuate Dic-induced apoptosis, implying that Dic-induced caspase-3-independent apoptosis [2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!