

Product Name : Isobavachromene

Synonyms : —

Cat No. : M22815

CAS Number : 52801-22-6

Molecular Formula : C₂₀H₁₈O₄

Formula Weight : 322.4

Chemical Name : —

Description

Isobavachromene is an inhibitor of NADH-Ubiquinone oxidoreductase and ornithine decarboxylase. Isobavachromene has antifungal activity. Estrogenic activities of ethanol extract and its active components from *Psoralea corylifolia* L. were studied using various in vitro assays. The main components from ethanol extract were analyzed to be bakuchiol, psoralen, isobavachalcone, Isobavachromene, and bavachinin. In a fractionation procedure, hexane and chloroform fractions showed estrogenic activity in yeast transactivation assay and E-screen assay. In yeast transactivation assay, ethanol extract, hexane, and chloroform fractions showed significantly higher activities at a concentration of 1.0 ng/ml, and bakuchiol at the concentration of 10⁻⁶ M was showed the highest activity, especially, which was higher than genistein at the same concentration.

Pathway : Others

Target : Other Targets

Receptor : ornithine decarboxylase

Solubility : —

SMILES : O=C(C1=CC=C2C(C=CC(C)(C)O2)=C1O)/C=C/C3=CC=C(O)C=C3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Estrogenic activities of *Psoralea corylifolia* L. seed extracts and main constituents. *Phytomedicine*. 2011 Mar 15;18(5):425-30.