

Product Data Sheet

Product Name: (±)-Liquiritigenin

Cat. No.: GC45968

Chemical Properties

Cas. No. 69097-97-8

SMILES O=C1C2=CC=C(O)C=C2OC(C3=CC=C(O)C=C3)C1

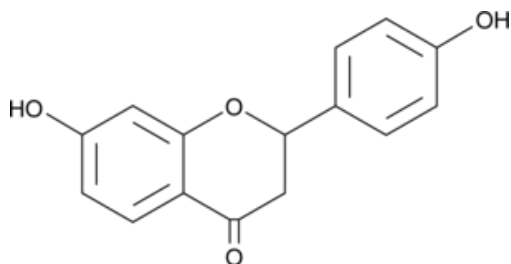
Formula C₁₅H₁₂O₄ M.Wt 256.3

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 25 mg/ml
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

(±)-Liquiritigenin is a flavonoid that has been found in *P. floribundum* and has anticancer activity.¹ It is cytotoxic to HL-60, HCT8, and B16 cancer cell lines (IC₅₀s = 22.5, 19.5, and 5 µg/ml, respectively).

[1. Falcão, M.J., Pouliquem, Y.B., Lima, M.A., et al. Cytotoxic flavonoids from *Platymiscium floribundum*. J. Nat. Prod. 68(3), 423-426 (2005).

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA