

## Product Data Sheet

Product Name: Licochalcone D

Cat. No.: GC36446

### Chemical Properties

Cas. No. 144506-15-0

SMILES O=C(C1=CC=C(O)C(C/C=C(C)\C)=C1)/C=C/C2=CC=C(O)C(O)=C2OC

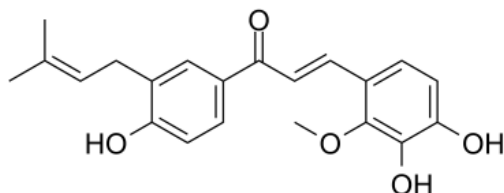
Formula  $C_{21}H_{22}O_5$  M.Wt 354.4

Solubility DMSO: 125 mg/mL (352.71 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 sizes: ship with RT, or blue ice upon request.

Structure



### Background

Licochalcone D, a flavonoid compound mainly existing in the root of Glycyrrhiza inflata, is a potent inhibitor of NF-kappaB (NF-κB) p65. Licochalcone D possesses antioxidant, anti-inflammatory, anti-cancer properties[1][2]. p65

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

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[1]. Furusawa J, et al. Glycyrrhiza inflata-derived chalcones, Licochalcone A, Licochalcone B and Licochalcone D, inhibit phosphorylation of NF-kappaB p65 in LPS signaling pathway. Int Immunopharmacol. 2009 Apr;9(4):499-507. [2]. Si L, et al. Licochalcone D induces apoptosis and inhibits migration and invasion in human melanoma A375 cells. Oncol Rep. 2018 May;39(5):2160-2170.

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