

Product Data Sheet

Product Name: Licochalcone E

Cat. No.: GC36447

Chemical Properties

Cas. No. 864232-34-8

SMILES O=C(C1=CC=C(O)C=C1)/C=C/C2=CC([C@@H](C)C(C)=C)=C(O)C=C2OC

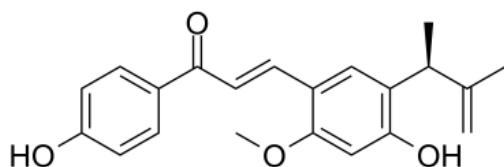
Formula $C_{21}H_{22}O_4$ M.Wt 338.4

Solubility DMSO: 125 mg/mL (369.39 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

Licochalcone E, a flavonoid compound isolated from Glycyrrhiza inflata, inhibits NF-κB and AP-1 transcriptional activity through the inhibition of AKT and MAPK activation[1]. AKT, MAPK, NF-κB[1].

[1]. Lee HN, et al. Mechanisms by which licochalcone e exhibits potent anti-inflammatory properties: studies with phorbol ester-treated mouse skin and lipopolysaccharide-stimulated murine macrophages. Int J Mol Sci. 2013 May 24;14(6):10926-43.

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