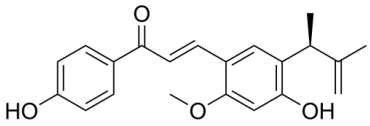
Data Sheet

Product Name:	Licochalcone E
Cat. No.:	CS-0032374
CAS No.:	864232-34-8
Molecular Formula:	$C_{21}H_{22}O_4$
Molecular Weight:	338.40
Target:	Akt; Autophagy; p38 MAPK
Pathway:	Autophagy; MAPK/ERK Pathway; PI3K/Akt/mTOR
Solubility:	DMSO : 50 mg/mL (147.75 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Licochalcone E, a flavonoid compound isolated from ***Glycyrrhiza uralensis***, inhibits NF-κB and AP-1 transcriptional activity through the inhibition of **AKT** and **MAPK** activation[1]. IC50 & Target:AKT, MAPK, NF-κB[1].

References:

[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.

CAIndexNames:

2-Propen-1-one, 3-[5-[(1S)-1,2-dimethyl-2-propen-1-yl]-4-hydroxy-2-methoxyphenyl]-1-(4-hydroxyphenyl)-, (2E)-

SMILES:

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

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

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