Product Name	:	Gomisin J
Synonyms	:	——
Cat No.	:	M22077
CAS Number	:	66280-25-9
Molecular Formula	:	C22H28O6
Formula Weight	:	388.46
Chemical Name	:	——
Description	:	Gomisin J is a natural product and have vasodilatory activity.?Gomisin J suppresses lipid accumulation by regulating the expression of lipogenic and lipolytic enzymes and inflammatory molecules through activation of AMPK, LKB1 and Ca2+/calmodulin-dependent protein kinase II and inhibition of fetuin-A in HepG2 cells.Gomisin J attenuated lipid accumulation in OA-induced HepG2 cells.?It also suppressed the expression of lipogenic enzymes and inflammatory mediators and increased the expression of lipolytic enzymes in OA-induced HepG2 cells.?Furthermore, the use of specific inhibitors and fetuin-A siRNA and liver kinase B1 (LKB1) siRNA transfected cells demonstrated that gomisin J regulated lipogenesis and lipolysis via inhibition of fetuin-A and activation of an AMP-activated protein kinase (AMPK)-dependent pathway in HepG2 cells.
Pathway	:	Membrane Transporter/Ion Channel
Target	:	AMPK
Receptor	:	AMPK;Calcium Channel
Solubility	:	——
SMILES	:	COc1c(O)cc2C[C@H](C)[C@H](C)Cc3cc(O)c(OC)c(OC)c3-c2c1OC
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	

1. Kim M, et al. Gomisin J Inhibits Oleic Acid-Induced Hepatic Lipogenesis by Activation of the AMPK-Dependent Pathway and Inhibition of the Hepatokine Fetuin-A in HepG2 Cells. J Agric Food Chem. 2015 Nov2. Ye BH, et al. Preventive effect of gomisin J from Schisandra chinensis on angiotensin II-induced hypertension via an increased nitric oxide bioavailability. Hypertens Res. 2015 Mar;38(3):169-77.