Product Name	:	Licoflavone B
Synonyms	:	——
Cat No.	:	M22055
CAS Number	:	91433-17-9
Molecular Formula	:	C25H26O4
Formula Weight	:	390.47
Chemical Name	:	——
Description	:	Licoflavone B has schistosomicidal activity, it showed high S. mansoni ATPase (IC50 of 23.78 μM) and ADPase (IC50 of 31.50 μM) inhibitory activities.Phytochemical investigation revealed 12 constituents identified as (E)-1-[2,4-dihydroxy-3-(3-methyl-2-butenyl)phenyl]-3-(8-hydroxy-2,2-dimethyl-2H-1-benzopyran-6-yl)-2-propen-1-one (1), 3,4-dihydro-8,8-dimethyl-2H,8H-benzo[1,2-b:3,4-b']dipyran-3-ol (2), biochanin B (3), glabrol (4), glabrone (5), hispaglabridin B (6), Licoflavone B (7), licorice glycoside B (8), licorice glycoside E (9), liquiritigenin (10), liquiritin (11), and prunin (12). Eleven of these constituents showed significant influenza virus NA inhibition in a chemiluminescence (CL)-based assay. Additional tests, including (i) a cell-based cytopathic effect inhibition assay (general antiviral activity), (ii) the evaluation of cytotoxicity, (iii) the inhibition of the NA of Clostridium perfringens (CL- and fluorescence (FL)-based assay), and (iv) the determination of self-fluorescence and quenching, provided further perspective on their anti-influenza virus potential, revealing possible assay interference problems and false-positive results.
Pathway	:	Microbiology/Virology
Target	:	Antifection
Receptor	:	Antifection;ATPase
Solubility	:	——
SMILES	:	CC(C)=CCC1=CC2=C(OC(=CC2=O)C2=CC(CC=C(C)C)=C(O)C=C2)C=C1O
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	

1.Computer-guided approach to access the anti-influenza activity of licorice constituents.J Nat Prod. 2014 Mar 28;77(3):563-70.