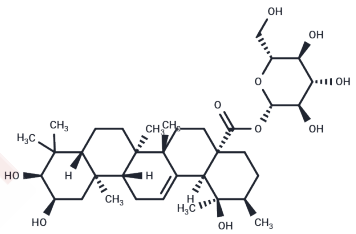
Data Sheet (Cat.No.TN1080)

TargetMol

Kaji-ichigoside F1

Chemical Properties



CAS No. : 95298-47-8

Formula: C36H58O10

Molecular Weight: 650.84

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Kaji-ichigoside F1 shows antiinflammatory/antinociceptive action in acetic acid-induced writhing and hot plate testing and in a carrageenan-induced paw edema model in mice and rats. Kaji-ichigoside F1 exhibits in vivo hepatoprotective effects, it inhibited d-GalN-induced cytotoxicity in primary cultured mouse hepatocytes with the IC50 of14.1uM.
Targets(IC50)	Antibiotic
In vitro	A methanol extract from the tuberous roots of Potentilla anserina (Rosaceae) exhibited hepatoprotective effects against d-galactosamine (d-GalN)/lipopolysaccharide-induced liver injuries in mice. Six triterpene 28-O-monoglucopyranosyl esters, potentillanosides A-F, were isolated from the extract along with 32 known compounds, including 15 triterpenes. The structures of potentillanosides A-F were determined on the basis of spectroscopic properties and chemical evidence. Four ursane-type triterpene 28-O-monoglycosyl esters, potentillanoside A (IC50=46.7μM), 28-O-β-d-glucopyranosyl pomolic acid (IC50=9.5μM), rosamutin (IC50=35.5μM), and Kaji-ichigoside F1 (IC50=14.1μM), inhibited d-GalN-induced cytotoxicity in primary cultured mouse hepatocytes.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5365 mL	7.6824 mL	15.3648 mL
5 mM	0.3073 mL	1.5365 mL	3.073 mL
10 mM	0.1536 mL	0.7682 mL	1.5365 mL
50 mM	0.0307 mL	0.1536 mL	0.3073 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Hepatoprotective triterpenes from traditional Tibetan medicine Potentilla anserina.Phytochemistry. 2014 Jun;102: 169-81.

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