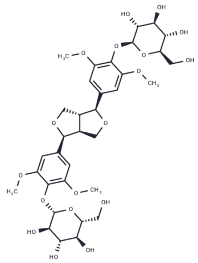
Data Sheet (Cat.No.TN1874)

TargetMol

Liriodendrin

Chemical Properties



CAS No. : 573-44-4

Formula: C34H46O18

Molecular Weight: 742.72

Storage: Store at low temperature,Keep away from direct sunlight
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	Liriodendrin regulates lung inflammation, the phosphorylation of the NF-kB (p65) and expression of vascular endothelial growth factor (VEGF). Liriodendrin has anti-inflammatory, antinociceptive, hypoglycemic activities and plays protective role in sepsis-
Targets(IC50)	ATPase,HSP,Potassium Channel,Prostaglandin Receptor
In vitro	When Liriodendrin was incubated for 24 h with human intestinal bacteria, two metabolites, (+)-syringaresinol-beta-D-glucopyranoside and (+)-syringaresinol, were produced. The metabolic time course of Liriodendrin was as follows: at early time, Liriodendrin was converted to (+)-syringaresinol-beta-D-glucopyranoside, and then (+)-syringaresinol[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3464 mL	6.732 mL	13.464 mL
5 mM	0.2693 mL	1.3464 mL	2.6928 mL
10 mM	0.1346 mL	0.6732 mL	1.3464 mL
50 mM	0.0269 mL	0.1346 mL	0.2693 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

Metabolism of liriodendrin and syringin by human intestinal bacteria and their relation to in vitro cytotoxicity.Arch Pharm Res. 1999 Feb;22(1):30-4.

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