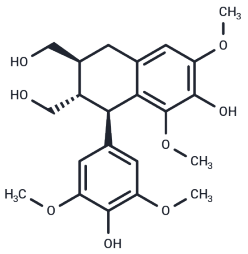
Data Sheet (Cat.No.TN1900)

TargetMol

(-)-Lyoniresinol

Chemical Properties



CAS No. : 31768-94-2

Formula: C22H28O8

Molecular Weight: 420.45

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	(-)-Lyoniresinol has antioxidant activity.
Targets(IC50)	Others,Reactive Oxygen Species
In vitro	Eight new lignan glucosides, tarennanosides A-H (1 - 8 , resp.), were isolated from the whole plant of Tarenna attenuata , together with three known compounds, fernandoside, (-)-Lyoniresinol, and (-) - isolariciresinol. The planar structures of new compounds were elucidated mainly by analysis of physical and spectroscopic data, and the absolute configurations were determined by acid hydrolysis as well as CD spectroscopy. Compounds 1 and 2 exhibited potent antioxidant activities against H2O2-induced impairment in PC12 cells.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3784 mL	11.892 mL	23.784 mL
5 mM	0.4757 mL	2.3784 mL	4.7568 mL
10 mM	0.2378 mL	1.1892 mL	2.3784 mL
50 mM	0.0476 mL	0.2378 mL	0.4757 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

arennanosides A-H, Eight New Lignan Glucosides from Tarenna attenuata and Their Protective Effect on H 2 O 2 -Induced Impairment in PC12 Cells.Chemistry & Biodiversity 6(4):540-50.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481