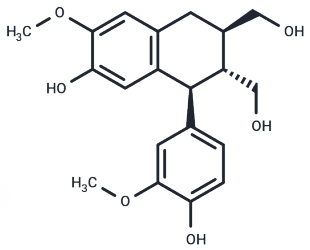
Data Sheet (Cat.No.TN1782)

TargetMol

(+)-Isolariciresinol

Chemical Properties



CAS No. : 548-29-8

Formula: C20H24O6

Molecular Weight: 360.4

Storage: Store at low temperature
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	(+)-Isolariciresinol ((+)-Cyclolariciresinol) is extracted from Radix Isatidis, exhibits antioxidant and anti-inflammatory activities, and is applicable in rheumatism studies.
Targets(IC50)	Immunology/Inflammation related
In vitro	The bioaccessibility of (+)-Isolariciresinol is 17.78%, respectively[1].

Solubility Information

Solubility	DMSO: 50 mg/mL (138.73 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7747 mL	13.8735 mL	27.7469 mL
5 mM	0.5549 mL	2.7747 mL	5.5494 mL
10 mM	0.2775 mL	1.3873 mL	2.7747 mL
50 mM	0.0555 mL	0.2775 mL	0.5549 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

In vitro antioxidant and anti-inflammatory activities of Radix Isatidis extract and bioaccessibility of six bioactive compounds after simulated gastro-intestinal digestion.J Ethnopharmacol. 2014 Nov 18;157:55-61.

Joo Hee Kwon, et al. Inhibitory effects of phenolic compounds from needles of Pinus densiflora on nitric oxide and PGE2 production. Arch Pharm Res. 2010 Dec;33(12):2011-6