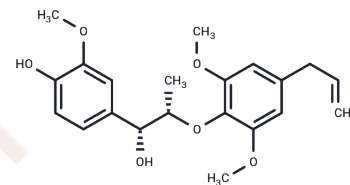


Myrislignan

Chemical Properties

CAS No. :	171485-39-5
Formula:	C ₂₁ H ₂₆ O ₆
Molecular Weight:	374.43
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	Myrislignan has anti-inflammatory, and anti-cancer activities, it inhibited NF-κB signalling pathway activation, inhibited the proliferation of A549 cells in a dose- and time-dependent manner, it also significantly induced apoptosis and cell cycle arrest in A549 cells.
Targets(IC50)	Apoptosis, NF-κB

Solubility Information

Solubility	DMSO: 55 mg/mL (146.89 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.34 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6707 mL	13.3536 mL	26.7073 mL
5 mM	0.5341 mL	2.6707 mL	5.3415 mL
10 mM	0.2671 mL	1.3354 mL	2.6707 mL
50 mM	0.0534 mL	0.2671 mL	0.5341 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

Lu X G , Yang L , Chen J X , et al. The action and mechanism of myrislignan on A549 cells in vitro and in vivo[J]. Journal of Natural Medicines, 2016, 71(1):76.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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