Myrislignan

Cat. No.: HY-N0608

CAS No.: 171485-39-5

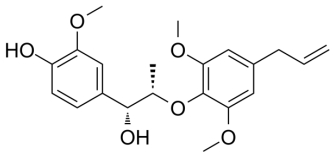
Molecular Formula: $C_{21}H_{26}O_6$

Molecular Weight: 374.43

Target: NF-κB

Pathway: NF-κB

Storage: 4°C, protect from light
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (267.07 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (6.68 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (6.68 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (6.68 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Myrislignan, a lignan isolated from Myristica fragrans Houtt, possesses anti-inflammatory activities. Myrislignan attenuates LPS-induced inflammation reaction in murine macrophage cells through inhibition of NF-kB signalling pathway activation[1] .

REFERENCES

[1]. Jin H, et al. Myrislignan attenuates lipopolysaccharide-induced inflammation reaction in murine macrophage cells through inhibition of NF-κB signalling pathway

activation. Phytother Res. 2012 Sep;26(9):1320-6.

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