Fargesin

Cat. No.: HY-N0719

CAS No.: 31008-19-2

Molecular Formula: $C_{21}H_{22}O_6$

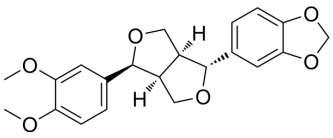
Molecular Weight: 370.4

Target: AP-1

Pathway: Immunology/Inflammation

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	2 years
	-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (337.47 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.6998 mL	13.4989 mL	26.9978 mL
	5 mM	0.5400 mL	2.6998 mL	5.3996 mL
	10 mM	0.2700 mL	1.3499 mL	2.6998 mL

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

BIOLOGICAL ACTIVITY

Description

Fargesin is a bioactive neolignan isolated from magnolia plants, with antihypertensive and anti-inflammatory effects[1][2][3].

In Vitro

Fargesin exhibits anti-inflammation effects on THP-1 cells via suppression of PKC pathway including downstream JNK, nuclear factors AP-1 and NF-κB[3].

Fargesin as a potential β_1 adrenergic receptor antagonist protects the hearts against ischemia/reperfusion injury in rats via attenuating oxidative stress and apoptosis[4].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo

Fargesin has antihypertensive effect in 2K1C hypertensive rats via inhibiting oxidative stress and promoting NO release[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Biofactors. 2023 Dec 27.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Sha S, et al. Antihypertensive effects of fargesin in vitro and in vivo via attenuating oxidative stress and promoting nitric oxide release. Can J Physiol Pharmacol. 2016 Aug;94(8):900-6.

[2]. Yue B, et al. Anti-Inflammatory Effects of Fargesin on Chemically Induced Inflammatory Bowel Disease in Mice. Molecules. 2018 Jun 7;23(6).

[3]. Pham TH, et al. Fargesin exerts anti-inflammatory effects in THP-1 monocytes by suppressing PKC-dependent AP-1 and NF-κB signaling. Phytomedicine. 2017 Jan 15;24:96-103.

[4]. Wang X, et al. Fargesin as a potential β_1 adrenergic receptor antagonist protects the hearts against ischemia/reperfusion injury in rats via attenuating oxidative stress and apoptosis. Fitoterapia. 2015 Sep;105:16-25.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA