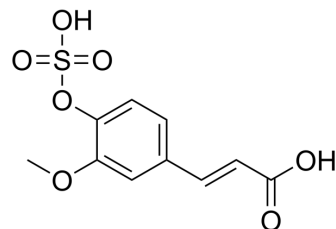


Ferulic acid 4-O-sulfate

Cat. No.:	HY-147323	
CAS No.:	86321-29-1	
Molecular Formula:	C ₁₀ H ₁₀ O ₇ S	
Molecular Weight:	274.25	
Target:	Drug Metabolite	
Pathway:	Metabolic Enzyme/Protease	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10 mg/mL (36.46 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.6463 mL	18.2315 mL	36.4631 mL
5 mM	0.7293 mL	3.6463 mL	7.2926 mL
10 mM	0.3646 mL	1.8232 mL	3.6463 mL

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

BIOLOGICAL ACTIVITY

Description

Ferulic acid 4-O-sulfate (Ferulic acid 4-sulfate) is a metabolite of [Ferulic acid](#) (HY-N0060). Ferulic acid 4-O-sulfate relaxes arteries and lowers blood pressure in mice^[1].

In Vitro

Ferulic acid 4-O-sulfate (0.1-30 μM) causes significant concentration-dependent relaxations in mouse aorta, femoral and saphenous arteries^[1].

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

In Vivo

Ferulic acid 4-O-sulfate (16.13 and 161.3 μg/kg; i.v.; once) relaxes arteries and lowers blood pressure in mice^[1].

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

Animal Model:	Male Swiss mice ^[1]
Dosage:	16.13 and 161.3 μg/kg
Administration:	Intravenous injection, once

Result:	Significantly decreased the mean arterial pressure (MAP) immediately after intravenous injection.
---------	---------------------------------------------------------------------------------------------------

REFERENCES

[1]. Van Ryment E, et al. Ferulic acid-4-O-sulfate rather than ferulic acid relaxes arteries and lowers blood pressure in mice. J Nutr Biochem. 2017 Jun;44:44-51.

Caution: Product has not been fully validated for medical applications. For research use only.

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