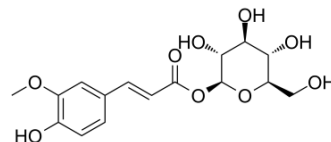


Ferulic acid acyl-β-D-glucoside

Cat. No.:	HY-N7715
CAS No.:	7196-71-6
Molecular Formula:	C ₁₆ H ₂₀ O ₉
Molecular Weight:	356.32
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 50 mg/mL (140.32 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8065 mL	14.0323 mL	28.0647 mL
	5 mM	0.5613 mL	2.8065 mL	5.6129 mL
	10 mM	0.2806 mL	1.4032 mL	2.8065 mL

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

BIOLOGICAL ACTIVITY

Description

Ferulic acid acyl-β-D-glucoside is a metabolite of Ferulic Acid (HY-N0060)^[1]. Ferulic acid is a novel fibroblast growth factor receptor 1 (FGFR1) inhibitor with IC₅₀s of 3.78 and 12.5 μM for FGFR1 and FGFR2, respectively^[2].

REFERENCES

[1]. Zhang JL, et al. Metabolism of ferulic acid in rats. J Asian Nat Prod Res. 2005;7(1):49-58.

[2]. Yang GW, et al. Ferulic Acid Exerts Anti-Angiogenic and Anti-Tumor Activity by Targeting Fibroblast Growth Factor Receptor 1-Mediated Angiogenesis. Int J Mol Sci. 2015 Oct 12;16(10):24011-31.

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