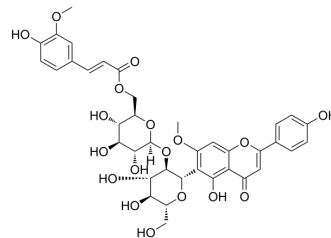


6'''-Feruloylspinosin

Cat. No.:	HY-N2160
CAS No.:	77690-92-7
Molecular Formula:	C ₃₈ H ₄₀ O ₁₈
Molecular Weight:	784.71
Target:	GABA Receptor
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (127.44 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.2744 mL	6.3718 mL	12.7436 mL
5 mM	0.2549 mL	1.2744 mL	2.5487 mL
10 mM	0.1274 mL	0.6372 mL	1.2744 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (3.19 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (3.19 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (3.19 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

6'''-Feruloylspinosin is a flavonoid isolated from seeds of *Ziziphus jujuba*. 6'''-Feruloylspinosin can cross the blood-brain barrier and enhance the expression of GABAA α 1, GABAA α 5, and GABABR1 mRNA in rat hippocampal neurons^[1].

REFERENCES

- [1]. Qiao L, et al. A HPLC-MS/MS method for determination of 6'''-feruloylspinosin in rat plasma and tissues: Pharmacokinetics and tissue distribution study. J Pharm

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

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