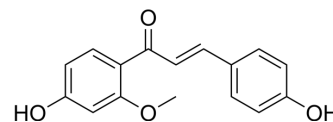


2'-O-Methylisoliquiritigenin

Cat. No.:	HY-N1745
CAS No.:	51828-10-5
Molecular Formula:	C ₁₆ H ₁₄ O ₄
Molecular Weight:	270.28
Target:	5-HT Receptor; Dopamine Receptor; GABA Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling; Membrane Transporter/Ion Channel
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 (369.99 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		3.6999 mL	18.4993 mL	36.9987 mL
		5 mM		0.7400 mL	3.6999 mL	7.3997 mL
10 mM		0.3700 mL	1.8499 mL	3.6999 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 (9.25 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	2'-O-Methylisoliquiritigenin, isolated from the Arachis species, up-regulates 5-HT, NE, DA and GABA pathways, but does not put a very significant effect on ne NE pathway ^[1] .
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REFERENCES

[1]. Lei Deng, et al. Sedative-hypnotic and Anxiolytic Effects and the Mechanism of Action of Aqueous Extracts of Peanut Stems and Leaves in Mice. J Sci Food Agric. 2018 Oct;98(13):4885-4894.

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