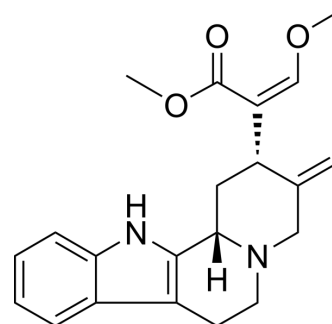


Geissoschizine methyl ether

Cat. No.:	HY-N2411
CAS No.:	60314-89-8
Molecular Formula:	C ₂₂ H ₂₆ N ₂ O ₃
Molecular Weight:	366.45
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
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 (272.89 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7289 mL	13.6444 mL	27.2889 mL
	5 mM	0.5458 mL	2.7289 mL	5.4578 mL
	10 mM	0.2729 mL	1.3644 mL	2.7289 mL

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

BIOLOGICAL ACTIVITY

Description

Geissoschizine methyl ether, a major indole alkaloid found in *Uncaria hook*, is a major active component of Yokukansan with psychotropic effects. Geissoschizine methyl ether is potent 5-HT_{1A} receptor agonist^{[1][2]}.

IC₅₀ & Target

5-HT_{1A} Receptor

REFERENCES

[1]. Matsumoto T, et al. In vitro identification of human cytochrome P450 isoforms involved in the metabolism of Geissoschizine methyl ether, an active component of the traditional Japanese medicine Yokukansan. *Xenobiotica*. 2016;46(4):325-34.

[2]. Nishi A, et al. Geissoschizine methyl ether, an alkaloid in *Uncaria hook*, is a potent serotonin _{1A} receptor agonist and candidate for amelioration of aggressiveness and sociality by yokukansan. *Neuroscience*. 2012 Apr 5;207:124-36.

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