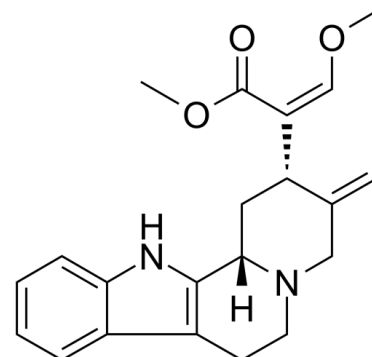


Data Sheet

Product Name:	Geissoschizine methyl ether
Cat. No.:	CS-0022612
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
Solubility:	DMSO : 100 mg/mL (272.89 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

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}^[2]

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 \square A receptor agonist and candidate for amelioration of aggressiveness and sociality by yokukansan. *Neuroscience*. 2012 Apr 5;207:124-36.

CAIndexNames:

Indolo[2,3-a]quinolizine-2-acetic acid, 3-ethylidene-1,2,3,4,6,7,12,12b-octahydro- α -(methoxymethylene)-, methyl ester, (α Z,2S,3E,12bS)-

SMILES:

COC(=O)C(=C)C1CN2C(=C1)C=C(C2)C3=CC=CC=C3N3

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

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