

Product Data Sheet

Product Name: Geissoschizine methyl ether

Cat. No.: GC38529

Chemical Properties

Cas. No. 60314-89-8

SMILES COC(/C([C@H]1C[C@@]2([H])C3=C(CCN2C/C1=C/C)C4=CC=CC=C4N3)=C\OC)=O

Formula $C_{22}H_{26}N_2O_3$

M.Wt 366.45

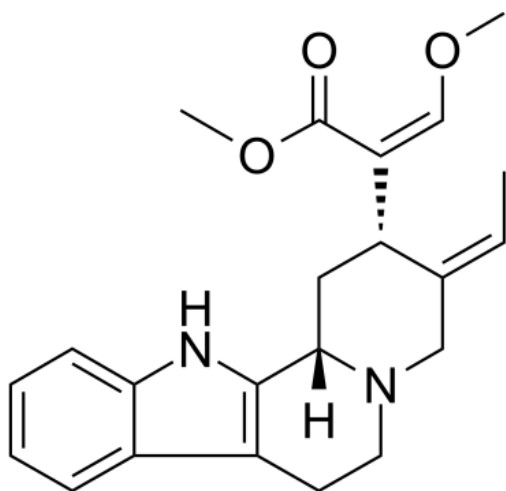
Solubility Soluble in DMSO

Storage Store at -20°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

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 a potent 5-HT_{1A} receptor agonist [1][2].

[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

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

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ether, an alkaloid in Uncaria hook, is a potent serotonin ?A receptor agonist and candidate for amelioration of aggressiveness and sociality by yokukansan. Neuroscience. 2012 Apr 5;207:124-36.

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