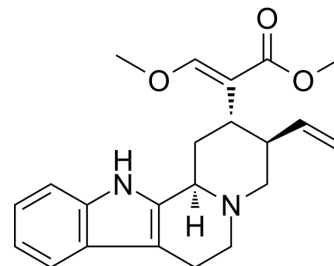


Hirsuteine

Cat. No.: HY-N2197
CAS No.: 35467-43-7
Molecular Formula: C₂₂H₂₆N₂O₃
Molecular Weight: 366.45
Target: nAChR
Pathway: Membrane Transporter/Ion Channel; 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)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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

Hirsuteine is an indole alkaloid extracted from *Uncaria rhynchophylla*. Hirsuteine non-competitively antagonizes nicotine-mediated dopamine release by blocking ion permeation through nicotinic receptor channel complexes^[1].

REFERENCES

[1]. Watano T, et al. Non-competitive antagonism by hirsuteine of nicotinic receptor-mediated dopamine release from rat pheochromocytoma cells. *Jpn J Pharmacol.* 1993 Apr;61(4):351-6.

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

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