

Product Data Sheet

Product Name: Hirsuteine

Cat. No.: GC36228

Chemical Properties

Cas. No. 35467-43-7

SMILES O=C(OC)/C([C@H]([C@H](CN1CC2)C=C)C[C@]1([H])C3=C2C(C=CC=C4)=C4N3)=C/OC

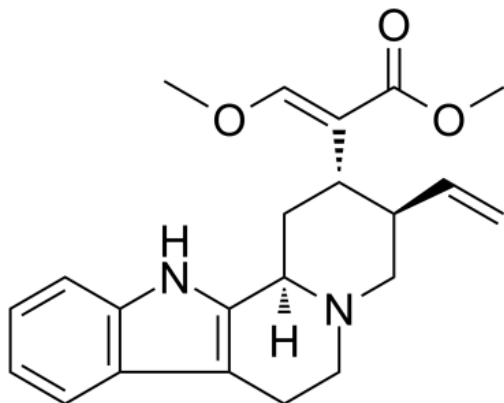
Formula $C_{22}H_{26}N_2O_3$ M.Wt 366.45

Solubility DMSO : 100 mg/mL (272.89 mM; Need ultrasonic) Storage Store at -20°C

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

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

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

[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.

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