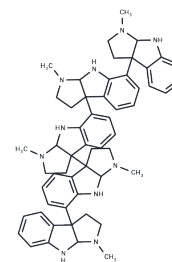


Psychotridine

Chemical Properties

CAS No. :	52617-25-1
Formula:	C ₅₅ H ₆₂ N ₁₀
Molecular Weight:	863.171
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Psychotridine is an alkaloid that has been found in <i>P. forsteriana</i> and has diverse biological activities. 1,2,3 It inhibits ADP-, collagen-, or thrombin-induced aggregation of washed isolated human platelets with IC ₅₀ values of 1.4, 1.4, and 3.9 μM, respectively. 1 Psychotridine (2.5 or 5 μM) is cytotoxic to HTC rat hepatocellular carcinoma cells. 2 It reduces paw licking induced by capsaicin in mice when administered at doses of 0.5, 2.5, or 5 mg/kg. 3
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1585 mL	5.7926 mL	11.5852 mL
5 mM	0.2317 mL	1.1585 mL	2.317 mL
10 mM	0.1159 mL	0.5793 mL	1.1585 mL
50 mM	0.0232 mL	0.1159 mL	0.2317 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Beretz, A., Roth-Georger, A., Corre, G., et al. Polyindolinic alkaloids from *Psychotria forsteriana*. Potent inhibitors of the aggregation of human platelets *Planta Med.* 51(4)300-303(1985)
- Roth, A., Kuballa, B., Bounthanh, C., et al. Cytotoxic activity of polyindoline alkaloids of *Psychotria forsteriana* (Rubiaceae) (1) *Planta Med.* 6450-453(1986)
- Amador, T.A., Verotta, L., Nunes, D.S., et al. Involvement of NMDA receptors in the analgesic properties of psychotridine *Phytotherapy Research* 8(3)202-206(2001)

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