

Product Data Sheet

Product Name: Psychotridine

Cat. No.: GC48356

Chemical Properties

Cas. No. 52617-25-1

SMILES CN(CCC12C3=CC=CC4=C3NC5N(CCC45C6=CC=CC7=C6NC8N(CCC78C9%10C%11=C(NC9N(CC%10)C)C(C%12%13C%14=C(NC%12N(CC%13)C)C=CC=C%14)=CC=C%11)C)C)C2NC%15=C1C=CC=C%15

Formula C₅₅H₆₂N₁₀

M.Wt 863.2

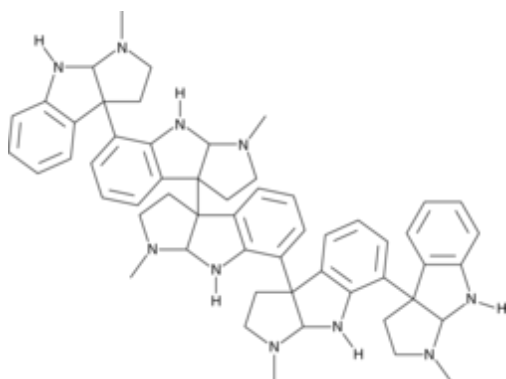
Solubility

Storage -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

Psychotridine is an alkaloid that has been found in *P. forsteriana* and has diverse biological activities.^{1,2,3} It inhibits ADP-, collagen-, or thrombin-induced aggregation of washed isolated human platelets with IC₅₀ 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

1. Beretz, A., Roth-Georger, A., Corre, G., et al. Polyindolinic alkaloids from *Psychotria forsteriana*.

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

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Potent inhibitors of the aggregation of human platelets *Planta Med.* 51(4)300-303(1985) 2. Roth, A., Kuballa, B., Bounthanh, C., et al. Cytotoxic activity of polyindoline alkaloids of *Psychotria forsteriana* (Rubiaceae) (1) *Planta Med.* 6450-453(1986) 3. Amador, T.A., Verotta, L., Nunes, D.S., et al. Involvement of NMDA receptors in the analgesic properties of psychotridine *Phytomedicine* 8(3)202-206(2001)

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