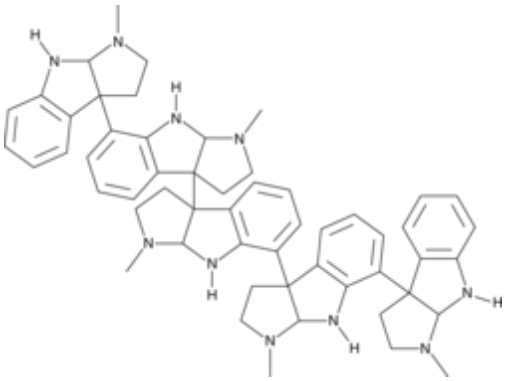
Product Data Sheet

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 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]

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 plateletsPlanta 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 psychotridinePhytomedicine8(3)202-206(2001)