Psychotridine
Item No. 31645

CAS Registry No.: 52617-25-1
Formal Name: 2,2′,2′′,2′′′,2′′′′,3,3′,3′′,3′′′,3′′′′-eicosahydro-1,1′,1′′,1′′′,1′′′′-pentamethyl-3a(1H),7′:3′a,3′′a(′H,1′′H):7′′,3′′′a(1′′′H):7′′′,3′′′′a(1′′′′H)-que

MF: C55H62N10
FW: 863.2
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years
Item Origin: Plant/Psychotria beccarioides

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Psychotridine is supplied as a solid. A stock solution may be made by dissolving the psychotridine in the solvent of choice, which should be purged with an inert gas. Psychotridine is soluble in the organic solvent DMSO.

Description

Psychotridine is an alkaloid that has been found in P. forsteriana and has diverse biological activities.1-3 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.2 Psychotridine (2.5 or 5 µM) is cytotoxic to HTC rat hepatocellular carcinoma cells.2 It reduces paw licking induced by capsaicin (Item Nos. 92350 | 10010743) in mice when administered at doses of 0.5, 2.5, or 5 mg/kg.3

References