
Product Data Sheet

Product Name: tetrahydro-Harmine

Cat. No.: GC18724

Chemical Properties

Cas. No. 17019-01-1

Chemical Name 2,3,4,9-tetrahydro-7-methoxy-1-methyl-1H-pyrido[3,4-b]indole

SMILES CC(NCC1)C2=C1C(C=CC(OC)=C3)=C3N2Formula $C_{13}H_{16}N_2O$ M.Wt 216.3

Solubility DMF: 1.5 mg/ml, DMSO: 2 mg/ml, Ethanol: 1.5 mg/ml, PBS (pH 7.2): 0.25 mg/ml 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**

tetrahydro-Harmine (THH) is a fluorescent indole alkaloid extracted from *B. caapi*, a woody vine that is used to produce a psychoactive beverage, ayahuasca, which has been ritually ingested for medicoreligious purposes throughout South America since pre-Columbian times. THH inhibits monoamine oxidase (MAO)-A and MAO-B with much weaker potency (IC₅₀s = 74 nM and >100 μM, respectively) compared to the companion harmala alkaloids also found in *B. caapi*: harmaline and harmine.

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

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