

Product Data Sheet

Product Name: Harmaline

Cat. No.: GC41083

Chemical Properties

Cas. No. 304-21-2

SMILES CC1=NCCC2=C1NC3=CC(OC)=CC=C32

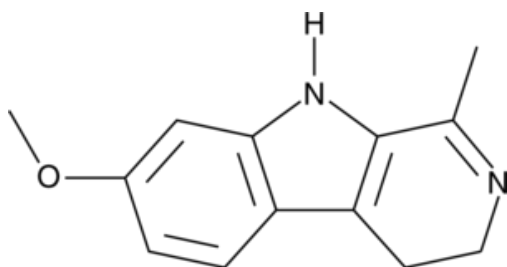
Formula C₁₃H₁₄N₂O M.Wt 214.3

Solubility DMF: 1.4 mg/ml, DMF:PBS(pH 7.2) (1:1): 0.5 mg/ml, DMSO: 0.25 mg/ml, Ethanol: 0.5 mg/ml
Storage Store at RT

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

Harmaline is a psychoactive indole found naturally in certain plants. Its stimulating activities are achieved, in part, through inhibition of monoamine oxidases, thus increasing the levels of monoamine neurotransmitters (e.g., at 7-70 µM/kg in rats). Harmaline (30 mg/kg) induces tremor in mice through the N-methyl-D-aspartate (NMDA) receptor, at which harmaline may act as an inverse agonist. This compound has also been identified as an adulterant in herbal mixtures containing synthetic cannabinoids and described as contributing to poisoning when combined with a hallucinogenic tryptamine. This product is intended for forensic or research purposes.

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

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