Product Information

N,N-DMT
Item No. 13959

CAS Registry No.: 61-50-7
Formal Name: N,N-dimethyl-1H-indole-3-ethanamine
Synonyms: N,N-Dimethyltryptamine, NSC 63795
MF: C12H16N2
FW: 188.3
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis: \( \lambda_{\text{max}}: 222, 282 \) nm

Laboratory Procedures

For long term storage, we suggest that N,N-DMT be stored as supplied at -20°C. It should be stable for at least two years.

N,N-DMT is supplied as a crystalline solid. A stock solution may be made by dissolving the N,N-DMT in the solvent of choice. N,N-DMT is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of N,N-DMT in these solvents is approximately 20, 5, and 11 mg/ml, respectively.

N,N-DMT is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, N,N-DMT should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. N,N-DMT has a solubility of approximately 0.5 mg/ml in a 1:1 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

N,N-DMT is a hallucinogenic tryptamine that occurs naturally in certain plants that have been used for therapeutic or religious purposes.\(^1\) Structurally similar to serotonin (5-HT; Item No. 14332), this compound avidly binds serotonin receptors (K\(\text{\textsubscript{B}}\)s = 65, 101, and 33 nM for 5-HT\(\text{\textsubscript{2A}}\), 5-HT\(\text{\textsubscript{2B}}\), and 5-HT\(\text{\textsubscript{2C}}, \) respectively).\(^2\) This product is intended for forensic and research applications.

References


Related Products

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