4-methoxy DMT
Item No. 9000895

CAS Registry No.: 3965-97-7
Formal Name: 4-methoxy-N,N-dimethyl-1H-indole-3-ethanamine
Synonyms: 4-methoxy-N,N-Dimethyltryptamine, 4-MeO DMT
MF: C13H18N2O
FW: 218.3
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis: λ_{max} 222, 268, 292 nm

Laboratory Procedures
For long term storage, we suggest that 4-methoxy-N,N-dimethyltryptamine (4-methoxy DMT) be stored as supplied at -20°C. It should be stable for at least two years.

4-methoxy DMT is supplied as a crystalline solid. A stock solution may be made by dissolving the 4-methoxy DMT in the solvent of choice. 4-methoxy DMT is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of 4-methoxy DMT in these solvents is approximately 30 mg/ml.

4-methoxy DMT is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, 4-methoxy DMT should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. 4-methoxy 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.

Dimethyltryptamine is a natural hallucinogen that targets, primarily, the 5-hydroxytryptamine (5-HT) receptors. 4-methoxy DMT is a substituted form of DMT that binds 5-HT receptors with comparable affinity (pA_{2} = 6.17 for 4-methoxy DMT versus 6.00 for DMT). 4-methoxy DMT also has behavior disruption activity in rats that is similar to that of DMT. This product is intended for forensic and research applications.

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/9000895

WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

MATERIAL SAFETY DATA
This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet, which has been sent via email to your institution.

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