Product Information

4-Methoxyamphetamine (hydrochloride) (exempt preparation)
Item No. 15691

CAS Registry No.: 3706-26-1

Formal Name: 4-methoxy-α-methyl-benzeneethanamine, monohydrochloride

Synonyms: 4-MA, p-MA, para-Methoxyamphetamine, PMA

MF: \( C_{10}H_{15}NO \cdot HCl \)

FW: 201.7

Purity: >98%

Stability: ≥2 years at -20°C

Supplied as: A solution in methanol

UV/Vis: \( \lambda_{\text{max}}: 225, 277, 283 \text{ nm} \)

Laboratory Procedures

For long term storage, we suggest that 4-methoxyamphetamine (4-MA) (hydrochloride) (exempt preparation) be stored as supplied at -20°C. It should be stable for at least two years.

4-MA (hydrochloride) (exempt preparation) is supplied as a solution in methanol. To change the solvent, simply evaporate the methanol under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as ethanol, DMSO, and dimethyl formamide purged with an inert gas can be used. The solubility of 4-MA (hydrochloride) (exempt preparation) in these solvents is approximately 30 mg/ml.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. If an organic solvent-free solution of 4-MA (hydrochloride) (exempt preparation) is needed, it can be prepared by evaporating the methanol and directly dissolving the neat oil in aqueous buffers. The solubility of 4-MA (hydrochloride) (exempt preparation) in PBS, pH 7.2, is approximately 10 mg/ml. We do not recommend storing the aqueous solution for more than one day.

4-MA is a serotonergic drug of the amphetamine class. 4-MA exhibits both structural and pharmacological similarity to 3,4-methylenedioxyamphetamine and may be a more potent hallucinogen, particularly through its effects on serotonin transmission and through reversible inhibition of the enzyme MAO-A. 4-MA is intended for research and forensic applications.

References


Related Products

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