**3-Methoxyamphetamine (hydrochloride)**

Item No. 9001916

CAS Registry No.: 35294-10-1

**Formal Name:**

3-methoxy-α-methyl-benzeneethanamine, monohydrochloride

**Synonyms:**

- 3-MA, m-MA, meta-Methoxyamphetamine, MMA

**MF:** C_{10}H_{15}NO • HCl

**FW:** 201.7

**Purity:** ≥98%

**Stability:** ≥2 years at -20°C

**Supplied as:** A crystalline solid

**UV/Vis:** λ_{max}: 220, 274, 280 nm

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### Laboratory Procedures

For long term storage, we suggest that 3-methoxyamphetamine (3-MA) (hydrochloride) be stored as supplied at -20°C. It should be stable for at least two years.

3-MA (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the 3-MA (hydrochloride) in the solvent of choice. 3-MA (hydrochloride) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of 3-MA (hydrochloride) 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. Organic solvent-free aqueous solutions of 3-MA (hydrochloride) can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of 3-MA (hydrochloride) in PBS, pH 7.2, is approximately 10 mg/ml. We do not recommend storing the aqueous solution for more than one day.

3-MA is a derivative of amphetamine that acts as a central nervous system stimulant by releasing serotonin, dopamine, and norepinephrine.\(^1\)\(^2\) It has appeared as a designer drug alternative to MDMA, along with the related compound 4-MA (Item No. 12041).\(^3\) This product is intended only for forensic and research purposes.

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### References


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### Related Products

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