4-Bromoamphetamine (hydrochloride)
Item No. 9001850

CAS Registry No.: 58400-88-7
Formal Name: 4-bromo-α-methyl-benzeneethanamine, monohydrochloride
Synonyms: 4-BA, p-BA
MF: C_{9}H_{12}BrN • HCl
FW: 250.6
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis: λ_{max}: 221 nm

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

4-BA (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the 4-BA (hydrochloride) in the solvent of choice. 4-BA (hydrochloride) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of 4-BA (hydrochloride) in these solvents is approximately 30, 20, and 25 mg/ml, respectively.

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 4-BA (hydrochloride) can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of 4-BA (hydrochloride) in PBS, pH 7.2, is approximately 10 mg/ml. We do not recommend storing the aqueous solution for more than one day.

4-BA is a para-substituted amphetamine that acts as a monoamine releasing agent.1-2 It is highly neurotoxic, producing long-term depletion of serotonin.1-2 This product is intended only for forensic and research purposes.

References

Related Products
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