Product Information

BZP (hydrochloride) (exempt preparation)
Item No. 15698

CAS Registry No.: 5321-63-1
Formal Name: 1-(phenylmethyl)-piperazine, dihydrochloride
Synonym: 1-Benzylpiperazine
MF: C₁₁H₁₆N₂ • 2HCl
FW: 249.2
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A solution in methanol

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

BZP (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 BZP (hydrochloride) (exempt preparation) in these solvents is approximately 2, 30, and 5 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. If an organic solvent-free solution of BZP (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 BZP (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.

BZP is a piperazine derivative with euphoric, stimulant properties comparable to those produced by amphetamine. BZP has been shown to have a mixed mechanism of action, acting on the serotonergic and dopaminergic receptor systems in a similar fashion to 3,4-methylenedioxymethamphetamine. BZP is classified as a Schedule I compound in the United States. This product is intended for research and forensic purposes.

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/15698

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