Product Information

1,4-Dibenzylpiperazine (hydrochloride)
Item No. 11206

CAS Registry No.: 2298-55-7
Formal Name: 1,4-bis(phenylmethyl)-piperazine, dihydrochloride
Synonym: DBZP
MF: C18H22N2 • 2HCl
FW: 339.3
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid

Laboratory Procedures
For long term storage, we suggest that 1,4-dibenzylpiperazine (DBZP) (hydrochloride) be stored as supplied at -20°C. It should be stable for at least two years.

DBZP (hydrochloride) is supplied as a crystalline solid. DBZP (hydrochloride) is sparingly soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. For biological experiments, we suggest that organic solvent-free aqueous solutions of DBZP (hydrochloride) be prepared by directly dissolving the crystalline compound in aqueous buffers. The solubility of DBZP (hydrochloride) in PBS, pH 7.2, is approximately 10 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Benzylpiperazines (BZP) are stimulant drugs which inhibit monoamine uptake.1,2 BZP and substituted derivatives, such as 1-(3,4-methylenedioxybenzyl)piperazine, have been identified as designer drugs or drugs of abuse.3,4 DBZP (hydrochloride) is a common impurity produced as a reaction byproduct during the synthesis of BZP. The biological and toxicological properties of this compound are not known. This product is intended for forensic applications.

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/11206