Product Information

1-((p-Fluorophenyl) piperazine (hydrochloride)

Item No. 11204

CAS Registry No.: 64090-19-3
Formal Name: 1-((4-fluorophenyl)-piperazine, dihydrochloride
Synonyms: pFPP, NSC 149515
MF: C10H13FN2 • 2HCl
FW: 253.1
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/VIS: λ_max = 239, 288 nm

Laboratory Procedures

For long term storage, we suggest that 1-((p-fluorophenyl) piperazine (pFPP) (hydrochloride) be stored as supplied at -20°C. It should be stable for at least two years.

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

Phenylpiperazines are entactogenic drugs which direct central serotonin release.1-3 Substituted phenylpiperazines, such as 1-((3-chlorophenyl)piperazine, have been identified as designer drugs or drugs of abuse.4,5 pFPP (hydrochloride) is a substituted phenylpiperazine with a potential for abuse. The physiological and toxicological properties of this compound have not been evaluated. This product is intended for forensic and research applications.

References

Related Products

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