

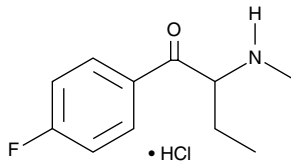
Product Information



4-Fluorobuphedrone (hydrochloride)

Item No. 15165

Formal Name:	1-(4-fluorophenyl)-2-(methylamino)butan-1-one, monohydrochloride
Synonym:	4-FBP
MF:	C ₁₁ H ₁₄ FNO • HCl
FW:	231.7
Purity:	≥98%
Stability:	≥2 years at -20°C
Supplied as:	A crystalline solid
UV/Vis.:	λ _{max} : 252 nm



Laboratory Procedures

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

4-FBP (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the 4-FBP (hydrochloride) in the solvent of choice. 4-FBP (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-FBP (hydrochloride) in these solvents is approximately 10, 15, and 3 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-FBP (hydrochloride) can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of 4-FBP (hydrochloride) in PBS, pH 7.2, is approximately 10 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Buphedrone (hydrochloride) (Item No. 11283) is a substituted cathinone characterized by an ethyl group at the alpha position and an N-terminal methyl group. This compound has been identified in products sold as stimulants.¹ 4-FBP is a *para*-fluoro analog of buphedrone. Its biological and toxicological properties have not been evaluated. This product is intended for forensic applications.

Reference

1. Kikura-Hanajiri, R., Uchiyama, N., and Goda, Y. Survey of current trends in the abuse of psychotropic substances and plants in Japan. *Leg. Med. (Tokyo)* **13(3)**, 109-15 (2011).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/15165

Cayman Chemical

Mailing address
1180 E. Ellsworth Road
Ann Arbor, MI
48108 USA

Phone
(800) 364-9897
(734) 971-3335

Fax
(734) 971-3640

E-Mail
custserv@caymanchem.com

Web
www.caymanchem.com

WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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