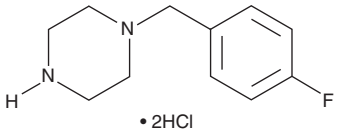
PRODUCT INFORMATION

4-fluoro BZP (hydrochloride)

Item No. 11112

CAS Registry No.:	199672-06-5
Formal Name:	1-[(4-fluorophenyl)methyl]-piperazine, dihydrochloride
Synonyms:	1-(4-Fluorobenzyl)piperazine, 1-(*para*-Fluorobenzyl)piperazine, 1-(*p*-Fluorobenzyl)piperazine, *p*-fluoro BZP, *para*-fluoro BZP
MF:	$C_{11}H_{15}FN_2 \bullet 2HCl$
FW:	267.2
Purity:	≥98%
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	≥5 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Description

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] 4-fluoro BZP is a substituted BZP 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. 4-fluoro BZP is also used as a precursor in the synthesis of certain bioactive compounds.[5]

References

1. Baumann, M.H., Clark, R.D., Budzynski, A.G., *et al.* N-substituted piperazines abused by humans mimic the molecular mechanism of 3,4-methylenedioxymethamphetamine (MDMA, or 'Ecstasy'). *Neuropsychopharmacology* **30(3)**, 550-560 (2005).
2. Hill, S.L. and Thomas, S.H. Clinical toxicology of newer recreational drugs. *Clin. Toxicol. (Phila)* **49(8)**, 705-719 (2011).
3. 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).
4. Arbo, M.D., Bastos, M.L., and Carmo, H.F. Piperazine compounds as drugs of abuse. *Drug Alcohol Depend.* **122(3)**, 174-185 (2011).
5. Mohamed, T., Zhao, X., Habib, L.K., *et al.* Design, synthesis and structure-activity relationship (SAR) studies of 2,4-disubstituted pyrimidine derivatives: Dual activity as cholinesterase and Aβ-aggregation inhibitors. *Bioorg. Med. Chem.* **19(7)**, 2269-2281 (2011).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM