

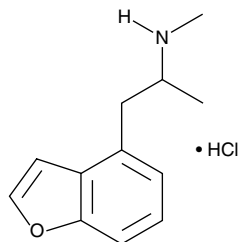
Product Information



4-MAPB (hydrochloride)

Item No. 9002103

Formal Name:	1-(benzofuran-4-yl)-N-methylpropan-2-amine, monohydrochloride
Synonym:	4-(2-Methylaminopropyl)Benzofuran
MF:	C ₁₂ H ₁₅ NO • HCl
FW:	225.7
Purity:	≥98%
Stability:	≥2 years at -20°C
Supplied as:	A crystalline solid
UV/Vis.:	λ _{max} : 209, 249 nm



Laboratory Procedures

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

4-MAPB (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the 4-MAPB (hydrochloride) in the solvent of choice. 4-MAPB (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-MAPB (hydrochloride) in ethanol is approximately 10 mg/ml and approximately 25 mg/ml in DMSO and DMF.

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-MAPB (hydrochloride) can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of 4-MAPB (hydrochloride) in PBS, pH 7.2, is approximately 10 mg/ml. We do not recommend storing the aqueous solution for more than one day.

4-APB (Item No. 14281) is a positional isomer of 6-APB (Item No. 11079), also known as benzo fury and found in recreational drugs.¹ 4-MAPB is an analog of 4-APB that has a methyl group added to the amine. The physiological and toxicological properties of this compound are not known. This product is intended for forensic and research applications.

Reference

1. Stanczuk, A., Morris, N., Gardner, E.A., *et al.* Identification of (2-aminopropyl)benzofuran (APB) phenyl ring positional isomers in internet products. *Drug Test. Anal.* **5**(4), 270-276 (2013).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/9002103

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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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Cayman Chemical Company makes **no warranty or guarantee** of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals hereof. Cayman **warrants only** to the original customer that the material will **meet our specifications at the time of delivery**.

Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have **any obligation or liability**, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

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