

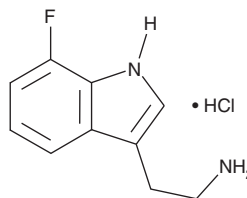
Product Information



7-fluoro Tryptamine (hydrochloride)

Item No. 17323

CAS Registry No.: 159730-09-3
Formal Name: 7-fluoro-1H-indole-3-ethanamine, monohydrochloride
MF: C₁₀H₁₁FN₂ • HCl
FW: 214.7
Purity: ≥95%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis.: λ_{max}: 216, 266 nm



Laboratory Procedures

For long term storage, we suggest that 7-fluoro tryptamine (hydrochloride) be stored as supplied at -20°C. It should be stable for at least two years.

7-fluoro Tryptamine (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the 7-fluoro tryptamine (hydrochloride) in the solvent of choice. 7-fluoro Tryptamine (hydrochloride) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of 7-fluoro tryptamine (hydrochloride) in ethanol is approximately 20 mg/ml and approximately 10 mg/ml in DMSO and DMF.

7-fluoro Tryptamine (hydrochloride) is sparingly soluble in aqueous solutions. To enhance aqueous solubility, dilute the organic solvent solution into aqueous buffers or isotonic saline. If performing biological experiments, ensure the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. We do not recommend storing the aqueous solution for more than one day.

Description

7-fluoro Tryptamine is a tryptamine derivative that potentially agonizes 5-HT serotonin receptors. Although the biological effects of this compound have not been reported, certain hallucinogenic typtamines containing a fluorine substitution at the 5-, 6-, or 7-position have been shown to have 5-HT_{2C} receptor selectivity over both the 5HT_{2A} and 5-HT_{2B} subtypes.^{1,2} This product is intended for research and forensic applications.

References

1. Kalir, A. and Szara, S. Synthesis and pharmacological activity of fluorinated tryptamine derivatives. *J. Med. Chem.* **6**, 716-719 (1963).
2. Blair, J.B., Kurrasch-Orbaugh, D., Marona-Lewicka, D., *et al.* Effect of ring fluorination on the pharmacology of hallucinogenic tryptamines. *J. Med. Chem.* **43**(24), 4701-4710 (2000).

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.

WARRANTY AND LIMITATION OF REMEDY

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.

This limitation of liability does not apply in the case of intentional acts or negligence of Cayman, its directors or its employees.

Buyer's **exclusive remedy** and Cayman's sole liability hereunder shall be limited to a **refund** of the purchase price, or at Cayman's option, the **replacement**, at no cost to Buyer, of all material that does not meet our specifications.

Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

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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