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# ProductInformation

## Cat. No. F-113

## R(-)-FENFLURAMINE HYDROCHLORIDE

• HCl

NHCH<sub>2</sub>CH<sub>2</sub>

Less active enantiomer.

CH<sub>3</sub>

Mol. Formula: C<sub>12</sub>H<sub>16</sub>F<sub>3</sub>N<sup>•</sup>HCl

Mol. Wt.: 267.72 (anhyd.)

**m.p.:** 158-159°C

CAS Registry No.: 37577-24-5

 $\label{eq:chemical Name: R(-)-N-Ethyl-\alpha-methyl-3-(triflouromethyl)-benzeneethanamine hydrochloride$ 

CF

**Physical Properties:** White solid.  $[\alpha]_{D}^{22} = -8.78^{\circ} (c = 2.13, H_2O)$ 

Caution: This substance should be handled with care. Precautions should be taken to avoid contact by all routes of exposure. RTECS No. SH6824000.

**Storage:** Store tightly sealed at room temperature.

- Solubility: Soluble in water or ethanol.
- **Disposal:** Dissolve or mix the compound with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. This product is controlled by the Drug Enforcement Administration. Appropriate security must be maintained until the substance is destroyed. Records must be kept which detail the ultimate disposition of the material.

### **References:**

- 1. *Merck Index* **12th Ed.**, No. 4015.
- 2. Pinder et al. *Drugs* **10**, 241-323 (1975).
- 3. Crunelli, V., Bernasconi, S., Samanin, R. "Effects of d- and l-fenfluramine on striatal homovanillic acid concentration in rats after pharmacological manipulation of brain serotonin." *Pharmacol. Res. Commun.* **12**, 215-223 (1980).
- 4. Mennini, T., Borroni, E., Samanin, R., Garattini, S. "Evidence of the existence of two different intraneuronal pools from which pharmacological agents can release serotonin." *Neurochem Int.* **3**, 289-294, (1981).
- 5. Silverstone, T., Goodall, E. "Recent studies in the clinical pharmacology of anoretic drugs." *Recent Adv. Obes. Res.*, 5th, 285-9, (Vol. Date 1986).
- 6. Ivernizzi, R., Bertorelli, R., Consolo, S., Garattini, S., Samanin, R. "Effects of the l isomer of fenfluramine on dopamine mechanisms in rat brain: further studies." *Eur J. Pharmacol.* **164**, 241-248 (1989).
- 7. Scuvée-Moreau, J., Dresse, A. "Influence of fenfluramine and norfenfluramine stereoisomers on the firing rate of central monoaminergic neurons in the rat." *Eur. J. Pharmacol.* **179**, 211-215 (1990).
- 8. Kalia, M. "Reversible, short-lasting, and dose-dependent effect of (+)-fenfluramine on neocortical serotonergic axons." *Brain Res.* **548**, 111-125 (1991).

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Rev. 6/97

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