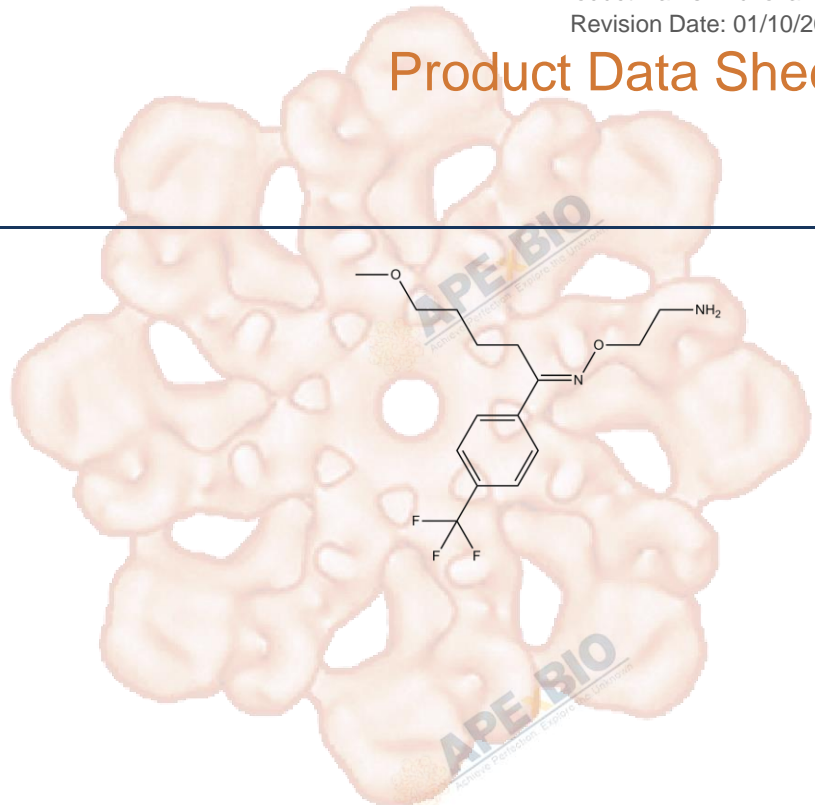


# Product Data Sheet

## Fluvoxamine

<b>Cat. No.:</b>	B1205
<b>CAS No.:</b>	54739-18-3
<b>Formula:</b>	C <sub>15</sub> H <sub>21</sub> F <sub>3</sub> N <sub>2</sub> O <sub>2</sub>
<b>M.Wt:</b>	318.33
<b>Synonyms:</b>	
<b>Target:</b>	Neuroscience
<b>Pathway:</b>	5-HT Receptor
<b>Storage:</b>	Store at -20°C



### Solvent & Solubility

insoluble in H<sub>2</sub>O; ≥15.92 mg/mL in DMSO; ≥76.3 mg/mL in EtOH

In Vitro

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1mg	5mg	10mg
	1 mM		3.1414 mL	15.7070 mL	31.4139 mL
	5 mM		0.6283 mL	3.1414 mL	6.2828 mL
	10 mM		0.3141 mL	1.5707 mL	3.1414 mL

Please refer to the solubility information to select the appropriate solvent.

### Biological Activity

Shortsummary

Selective serotonin reuptake inhibitor

IC<sub>50</sub> & Target

In Vitro

#### Cell Viability Assay

Preparation method:

In Vivo

#### Animal experiment

Animal models: 5-hydroxytryptamine - depleted mice

Dosage form: 30 mg/kg, i.p.

Applications: Fluvoxamine exerts its antiallodynic effects on neuropathic pain via descending

5-HT fibers and spinal 5-HT<sub>2A</sub> or 5-HT<sub>2C</sub> receptors, and the antinociception on acute mechanical pain via 5-HT<sub>3</sub> receptors. The fluvoxamine-induced antiallodynic effect was significantly attenuated in 5-hydroxytryptamine - depleted mice.

Other notes:

Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

## Product Citations

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

[1] Honda M1, Uchida K, Tanabe M, Ono H. Fluvoxamine, a selective serotonin reuptake inhibitor, exerts its antiallodynic effects on neuropathic pain in mice via 5-HT<sub>2A/2C</sub> receptors. *Neuropharmacology*. 2006 Sep;51(4):866-72. Epub 2006 Jul 17.

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most APEX<sub>BIO</sub> products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

**APEX<sub>BIO</sub> Technology**

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