

# Fluvoxamine

Catalog No: tcsc1840



## Available Sizes

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



## Specifications

**CAS No:**

54739-18-3

**Formula:**

$C_{15}H_{21}F_3N_2O_2$

**Pathway:**

Neuronal Signaling

**Target:**

Serotonin Transporter

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

DU-23000

**Observed Molecular Weight:**

318.33

## Product Description

Fluvoxamine is an antidepressant which functions pharmacologically as a selective serotonin reuptake inhibitor.

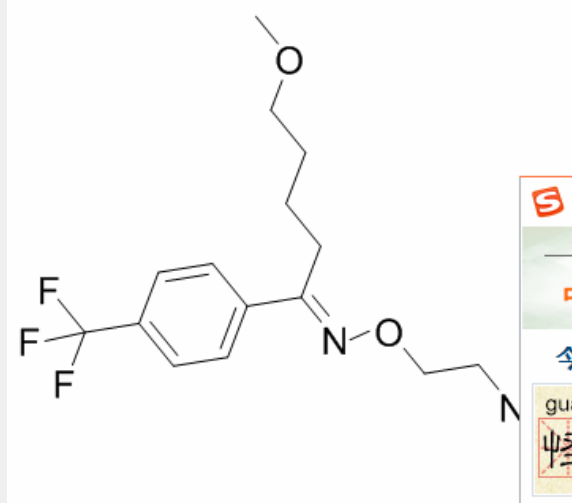
Target: SSRIs

Fluvoxamine is effective in inhibiting 5-HT uptake by blood platelets and brain synaptosomes. The antagonism by fluvoxamine of the reserpine-induced lowering of the pentamethylenetetrazole convulsive threshold can be regarded as due to an effect upon 5-HT uptake. In contrast to the effects of desmethylinipramine and imipramine, no stimulatory effects are found in rats when rapidly acting reserpine-like compounds are given following a dose of fluvoxamine [1]. fluvoxamine appears to improve combat-related PTSD symptoms but not depressive symptoms. The high attrition rate and lack of a placebo group limits the conclusions of our study. Controlled studies of fluvoxamine in the treatment of PTSD are warranted [2]. Fluvoxamine was less potent at decreasing ethanol self-administration when food was available concurrently versus when ethanol was available in isolation [ED50: 4.0 (2.7-5.9) and 5.1 (4.3-6.0)]. Effects on food were similar under each condition in which food was available. The results demonstrate that the potency of fluvoxamine in reducing ethanol-maintained behavior depends on whether ethanol is available in isolation or in the context of concurrently scheduled food reinforcement [3].

Clinical indications: Depression; Obsessive compulsive disorder; Social phobia

FDA Approved Date: December 5, 1994

Toxicity: Anorexia, Constipation, Dry mouth, Headache, Nausea, Nervousness, Skin rash, Sleep problems, Somnolence, Liver toxicity, Mania, Increase urination, Seizures, Sweating increase, Tremors, or Tourette's syndrome.



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