

# Escitalopram (oxalate)

Catalog No: tcsc2054



## Available Sizes

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



## Specifications

**CAS No:**

219861-08-2

**Formula:**

$C_{22}H_{23}FN_2O_5$

**Pathway:**

Neuronal Signaling

**Target:**

Serotonin Transporter

**Purity / Grade:**

>98%

**Solubility:**

H<sub>2</sub>O : ≥ 14.29 mg/mL (34.48 mM)

**Alternative Names:**

(S)-(+)-Citalopram oxalate

**Observed Molecular Weight:**

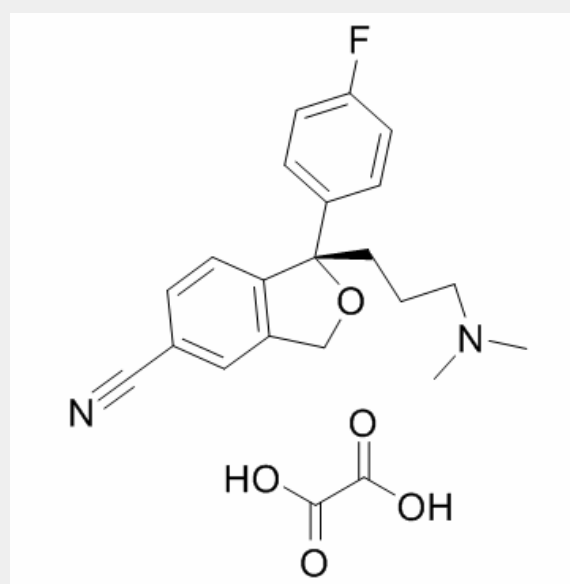
414.43

## Product Description

Escitalopram is a selective serotonin reuptake inhibitor (SSRI) with  $K_i$  of 0.89 nM.

Target: SSRIs

Escitalopram, the S-enantiomer of citalopram, belongs to a class of antidepressant agents known as selective serotonin-reuptake inhibitors (SSRIs). Escitalopram may be used to treat major depressive disorder (MDD) and generalized anxiety disorder (GAD). Escitalopram has no significant affinity for adrenergic ( $\alpha_1$ ,  $\alpha_2$ ,  $\beta$ ), cholinergic, GABA, dopaminergic, histaminergic, serotonergic (5HT<sub>1A</sub>, 5HT<sub>1B</sub>, 5HT<sub>2</sub>), or benzodiazepine receptors; antagonism of such receptors has been hypothesized to be associated with various anticholinergic, sedative, and cardiovascular effects for other psychotropic drugs. The chronic administration of escitalopram is found to downregulate brain norepinephrine receptors, as has been observed with other drugs effective in the treatment of major depressive disorder. Escitalopram does not inhibit monoamine oxidase.



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