

# Alosetron

**Catalog No: tcsc0640**



## Available Sizes

**Size:** 10mg

**Size:** 50mg



## Specifications

**CAS No:**

122852-42-0

**Formula:**

$C_{17}H_{18}N_4O$

**Pathway:**

Neuronal Signaling;GPCR/G Protein

**Target:**

5-HT Receptor;5-HT Receptor

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

GR 68755;GR 68755X

**Observed Molecular Weight:**

294.35

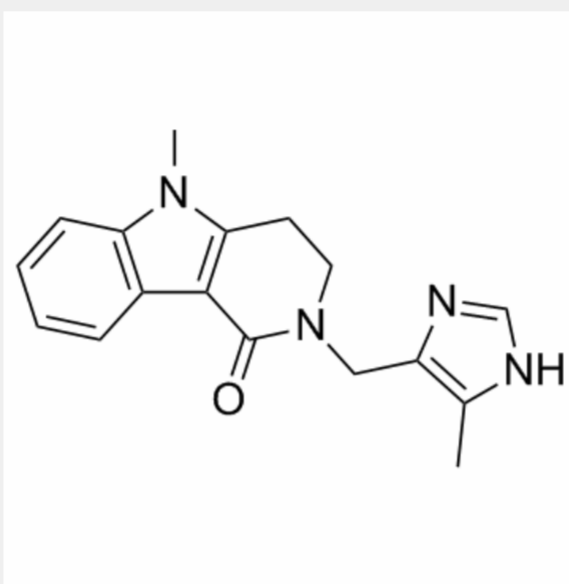
## Product Description

Alosetron is a Serotonin 5HT3-receptor antagonist that is used in treatment of irritable bowel syndrome.

IC50 Value:

Target: 5-HT Receptor

Alosetron has an antagonist action on the 5-HT<sub>3</sub> receptors of the enteric nervous system of the gastrointestinal tract. While being a 5-HT<sub>3</sub> antagonist like ondansetron, it is not classified or approved as an antiemetic. Since stimulation of 5-HT<sub>3</sub> receptors is positively correlated with gastrointestinal motility, alosetron's 5-HT<sub>3</sub> antagonism slows the movement of fecal matter through the large intestine, increasing the extent to which water is absorbed, and decreasing the moisture and volume of the remaining waste products. From Wikipedia.



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