

# Epinastine

Catalog No: tcsc2876



## Available Sizes

**Size:** 50mg

**Size:** 100mg

**Size:** 500mg



## Specifications

**CAS No:**

80012-43-7

**Formula:**

$C_{16}H_{15}N_3$

**Pathway:**

Immunology/Inflammation;GPCR/G Protein

**Target:**

Histamine Receptor;Histamine Receptor

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 50$  mg/mL (200.55 mM); H<sub>2</sub>O :

**Alternative Names:**

WAL801

**Observed Molecular Weight:**

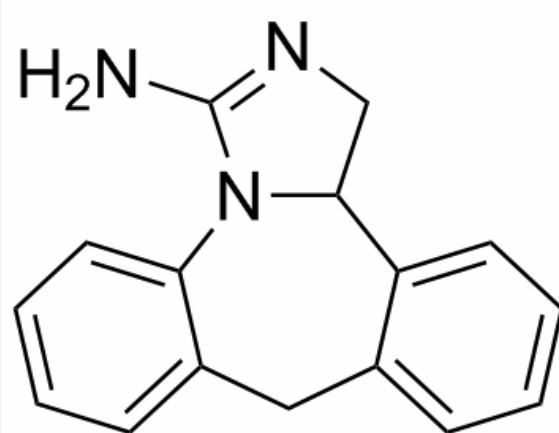
249.31

## Product Description

Epinastine(WAL801) is an antihistamine and mast cell stabilizer that is used in eye drops to treat allergic conjunctivitis.

Target: Histamine Receptor

Epinastine shows a high affinity to H<sub>1</sub>-receptors in receptor binding studies in the guinea pig ileum. Epinastine inhibits histamine-induced reactions in the skin or the lung of rats, dogs and guinea pigs [1]. Epinastine is able to displace specific [<sup>3</sup>H]NC-5Z binding at low concentrations in the locust nervous tissue. Epinastine binds to the honey bees neuronal octopamine receptor with K<sub>i</sub> of 1.1 nM. Epinastine antagonises octopamine-induced cAMP formation in the insect brain [2]. Epinastine causes an inhibition of histamine release from rat peritoneal mast cells induced by both antigen-antibody reaction and compound 48/80. Epinastine is similarly effective in inhibiting compound 48/80-induced histamine release not only from isolated rat peritoneal mast cells but also from rat mesenteric pieces. Epinastine is effective in inhibiting not only Ca<sup>2+</sup> uptake into lung mast cells in actively sensitized guinea pigs but also Ca<sup>2+</sup> release from the intracellular Ca store of rat peritoneal mast cells exposed to both compound 48/80 and substance P [3]. Epinastine shows a dose- and time-dependent suppressive effect on IL-8, one of the chemokines for eosinophils, released from eosinophils isolated from atopic diseases [4].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!