Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

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 : ≥ 50 mg/mL (200.55 mM); H2O :

Alternative Names:
WAL801

Observed Molecular Weight:
249.31

Product Description

Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

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 H1-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 [3H]NC-5Z binding at low concentrations in the locust nervous tissue. Epinastine binds to the honey bees neuronal octopamine receptor with Ki 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 mesenterial pieces. Epinastine is effective in inhibiting not only Ca2+ uptake into lung mast cells in actively sensitized guinea pigs but also Ca2+ 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].