

Azelastine (hydrochloride)

Catalog No: tcsc2573



Available Sizes

Size: 100mg

Size: 200mg



Specifications

CAS No:

79307-93-0

Formula:

$C_{22}H_{25}Cl_2N_3O$

Pathway:

Immunology/Inflammation;GPCR/G Protein

Target:

Histamine Receptor;Histamine Receptor

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

418.36

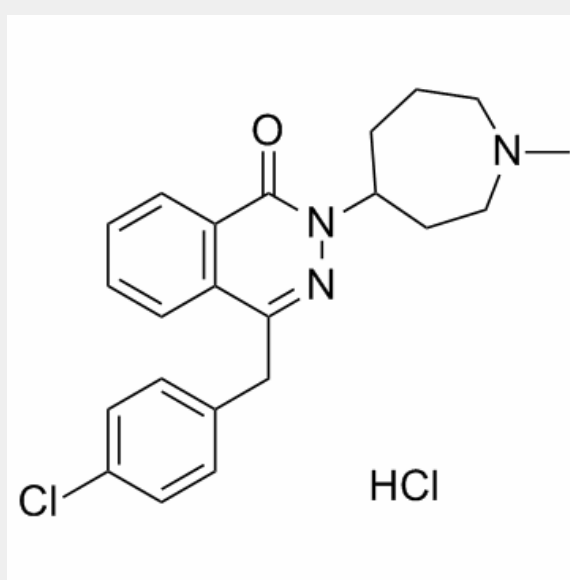
Product Description

Azelastine HCl is a potent, second-generation, selective, histamine antagonist.

Target: Histamine Receptor

Azelastine is a selective H(1)-receptor antagonist that inhibits histamine release and interferes with activation of several other mediators of allergic inflammation. Azelastine can inhibit CHMCs activation and release of IL-6, tryptase, and histamine. On an

equimolar basis, azelastine was a more potent inhibitor than olopatadine [1]. Topical azelastine progressively improved itching and conjunctival redness in PAC patients compared to placebo and was at least as effective as levocabastine. Rapid relief is consistent with H(1)-receptor antagonist action, while continued improvement up to 6 weeks may be consistent with mechanisms involving other mediators of allergic inflammation [2]. Azelastine nasal spray was reported to control all rhinitis symptoms, including nasal congestion, regardless of rhinitis diagnosis during the 2-week study period. Patients with seasonal allergic rhinitis and patients with seasonal allergic rhinitis plus nonallergic triggers were identified as patient types most likely to respond to azelastine nasal spray [3].



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