Azelastine

Cat. No.: HY-B0462A
CAS No.: 58581-89-8
Molecular Formula: C₂₂H₂₄ClN₃O
Molecular Weight: 381.9
Target: Histamine Receptor
Pathway: GPCR/G Protein; Immunology/Inflammation
Storage: Please store the product under the recommended conditions in the COA.

**BIOLOGICAL ACTIVITY**

| Description | Azelastine 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]. |

**REFERENCES**


Caution: Product has not been fully validated for medical applications. For research use only.
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