

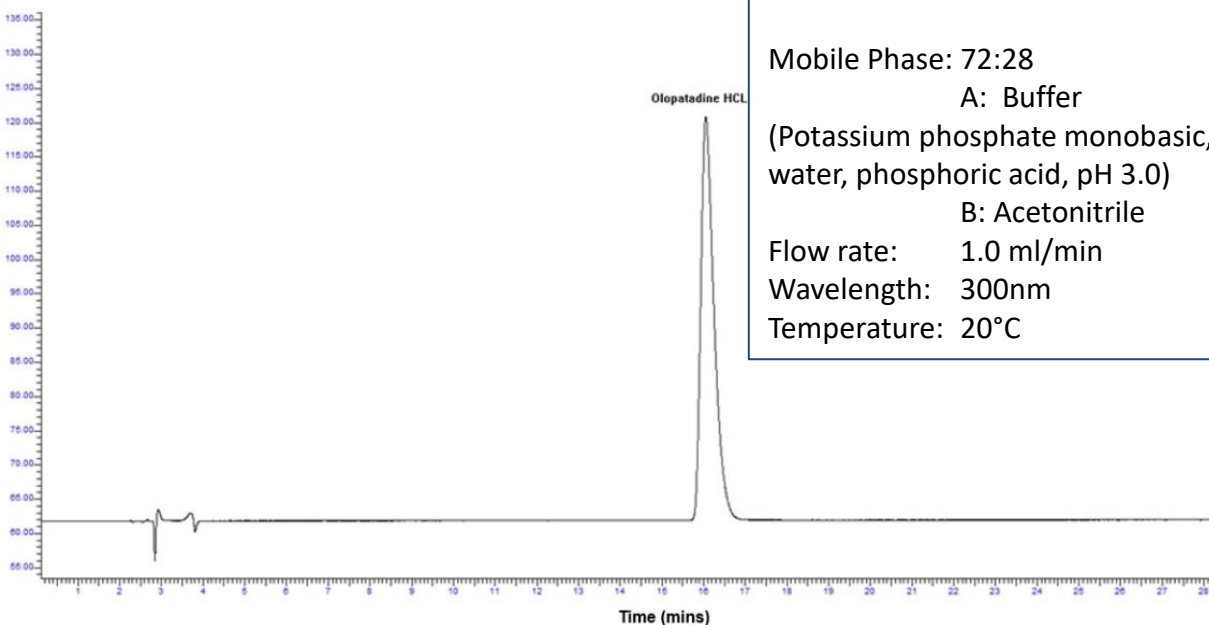
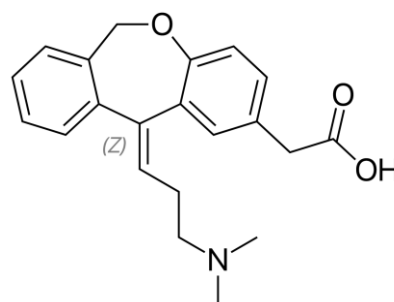
# Application Note: Olopatadine Hydrochloride

Olopatadine hydrochloride is an antihistamine used to decrease the symptoms of allergic conjunctivitis and allergic rhinitis (hay fever). It is used as eye drops or as a nasal spray.

Olopatadine acts as a selective antagonist of the histamine H1 receptor, thus stabilizing mast cells and inhibiting histamine release.

Olopatadine was patented in 1986 and came into medical use in 1997. It is available as a generic medication. In 2017, it was the 270th most commonly prescribed medication in the United States, with more than one million prescriptions.

This application brief describes the use of a Horizon C8 column in accordance with the official olopatadine hydrochloride USP monograph



**Column:** Horizon C8 5 $\mu$  150x4.6mm

**Mobile Phase:** 72:28

**A:** Buffer  
(Potassium phosphate monobasic, triethylamine, water, phosphoric acid, pH 3.0)

**B:** Acetonitrile

**Flow rate:** 1.0 ml/min

**Wavelength:** 300nm

**Temperature:** 20°C