CN

Mechanisms of Separation	Strength of Interaction
Dipole-dipole interactions	Strong
Hydrophobic binding interactions	Weak

Target Analytes

- Polar analytes
- Analytes with double and triple bonds
- Non-polar analytes having too much retention on alkyl phases

Recommended Applications

- Mixtures of very polar and polar analytes
- Antihistamines
- Anaesthetics
- As an orthogonal phase in RPLC method development

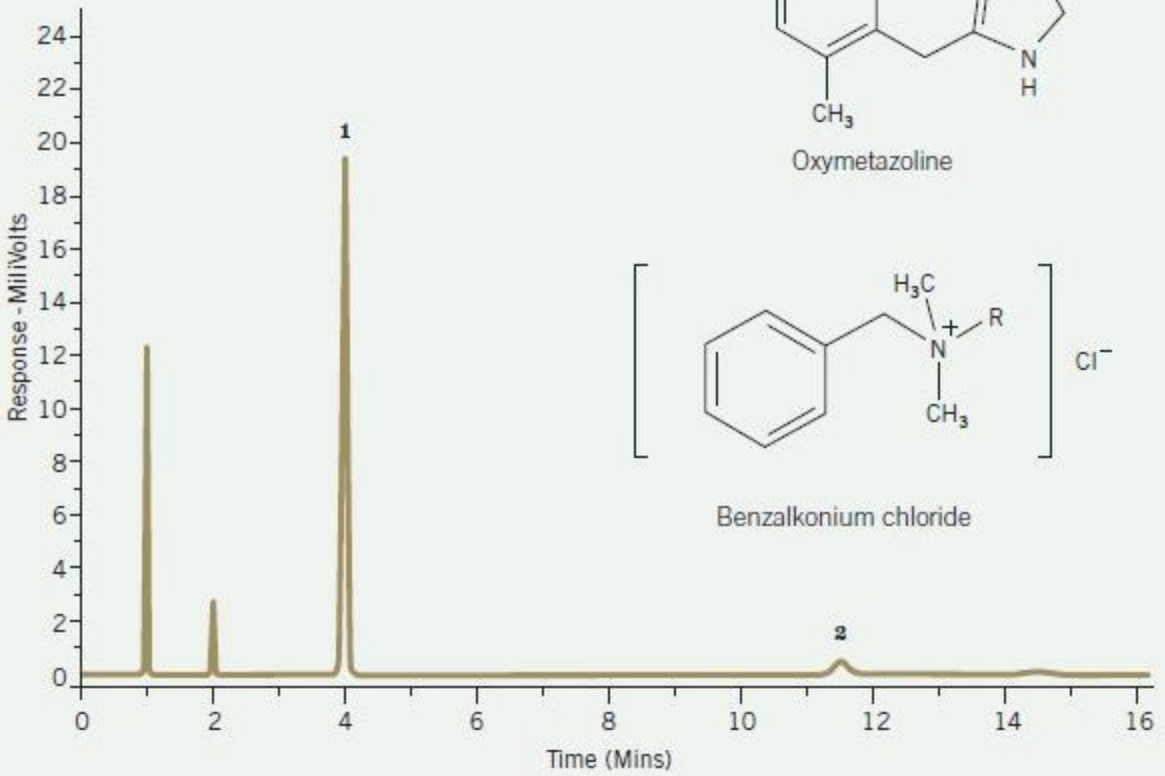
FIGURE 28: Oxymetazoline in Nasal Spray Formulation

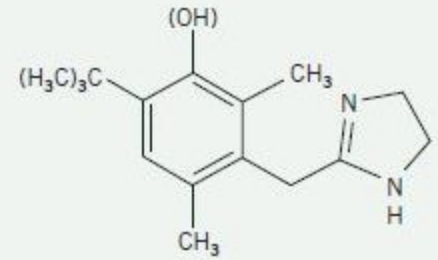
Conditions

Column: ACE 5 CN, 150 x 4.6mm
Part Number: ACE-124-1546
Mobile Phase: 50:50 MeCN/ aqueous Na_2HPO_4, pH 7.0
Flow Rate: 1.5ml/min
Temperature: 30° C
Detection: UV, 214nm

Compounds

1. Oxymetazoline
2. Benzalkonium chloride





Oxymetazoline

Benzalkonium chloride

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