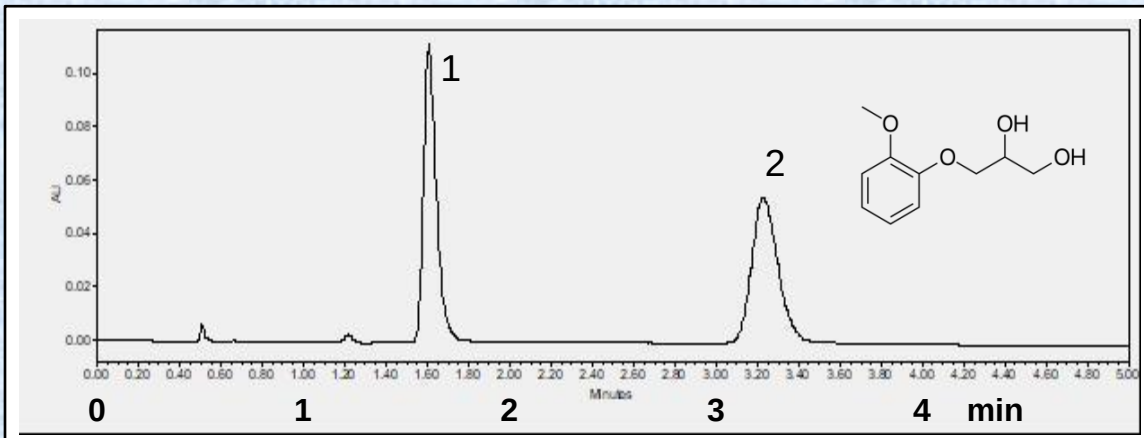
# Chiral Applications Library

Application Note: UCEP-1C-18040

## Separation of Guaifenesin on Epitomize CSP-1C by UHPLC

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|---|---|---|---|
| **Sample** | Guaifenesin [D18753] | | |
| **System** | Waters Acquity, H-Class | | |
| **Column** | Epitomize CSP-1C, 3 micron, 3.0 x 50 mm | | |
| **Mobile Phase** | 80/20 Heptane/2-propanol | | |
| **Flow Rate** | 0.50 mL/min | **Rt1 & Rt2 (min)** | 1.61 & 3.23 |
| **Temperature** | 25 °C | **k1 & k2** | 2.15 & 5.33 |
| **Detection** | UV at 230 nm | **Separation Value** | 2.48 |
| **Injection** | 0.20 µL (1 mg/mL) | **Resolution** | 9.43 |


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