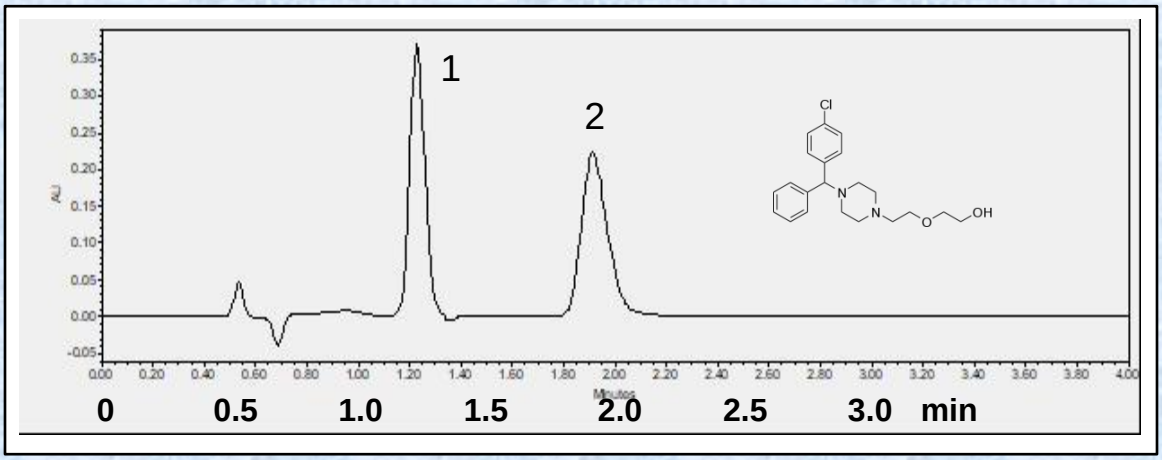
# Chiral Applications Library

Application Note: UCEP-1K-18089

## Separation of Hydroxyzine on Epitomize CSP-1K by UHPLC

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|---|---|---|---|
| **Sample** | Hydroxyzine [D26389] | | |
| **System** | Waters Acquity, H-Class | | |
| **Column** | Epitomize CSP-1K, 3 micron, 3.0 x 50 mm | | |
| **Mobile Phase** | 80/20/0.1 Heptane/2-propanol/DEA | | |
| **Flow Rate** | 0.50 mL/min | **Rt1 & Rt2 (min)** | 1.23 & 1.91 |
| **Temperature** | 25 $^{o}$C | **k1 & k2** | 1.39 & 2.73 |
| **Detection** | UV at 230 nm | **Separation Value** | 1.96 |
| **Injection** | 0.50 µL (1 mg/mL) | **Resolution** | 4.70 |


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