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# Isocratic Separation of Clonidine on Atlantis HILIC Silica

Waters Corporation

This is an Application Brief and does not contain a detailed Experimental section.

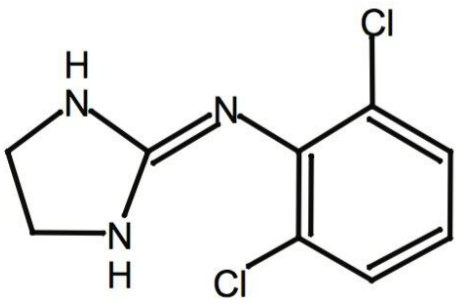
## Abstract

This application brief demonstrates the isocratic separation of clonidine on Atlantis HILIC Silica Columns.

## Introduction

The compounds used in this study are:

1. Clonidine




Clonidine

## Experimental

### LC Conditions

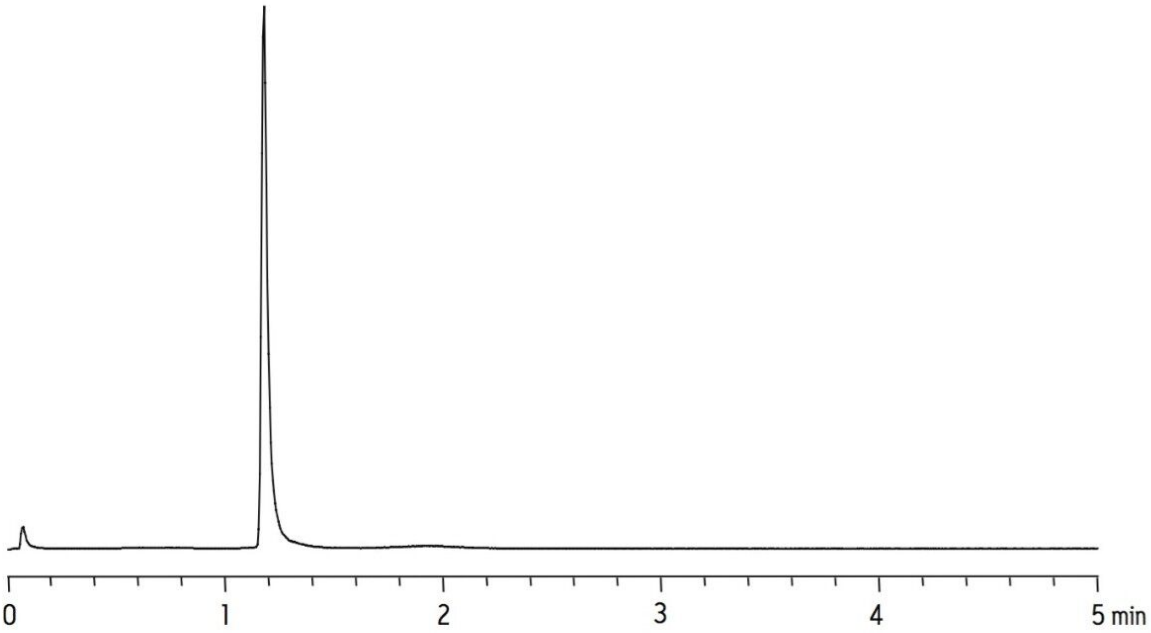
| | |
|---|---|
| Column: | Atlantis HILIC Silica, 2.1 x 50 mm, 3 µm |
| Part Number: | 186002011 |
| Mobile Phase A: | 200 mM $NH_4COOH$, pH 3.0 |
| Mobile Phase B: | ACN |
| Flow Rate: | 0.3 mL/min |

| | |
|---|---|
| Isocratic Mobile Phase: | 5% A; 95% B |
| Injection Volume: | 5.0 µL |
| Sample Diluent: | 75:25 ACN:MeOH |
| Sample Concentration: | 10 ng/mL clonidine |
| Temperature: | Ambient |
| Instrument: | Waters Alliance HT System, 2795 Separations Module with Waters ZQ |

## MS Conditions

| | |
|---|---|
| Ionization Mode: | ES+ |
| Capillary: | 2.0 kV |
| Cone: | 40 V |
| Extractor: | 3 V |
| RF Lens: | 0.3 V |
| Source Temperature: | 150 °C |
| Desolvation Temperature: | 350 °C |
| Cone Gas Flow: | 50 L/Hr |
| Desolvation Gas Flow: | 700 L/Hr |
| SIR: | 230.2 *m/z* |

## Results and Discussion

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