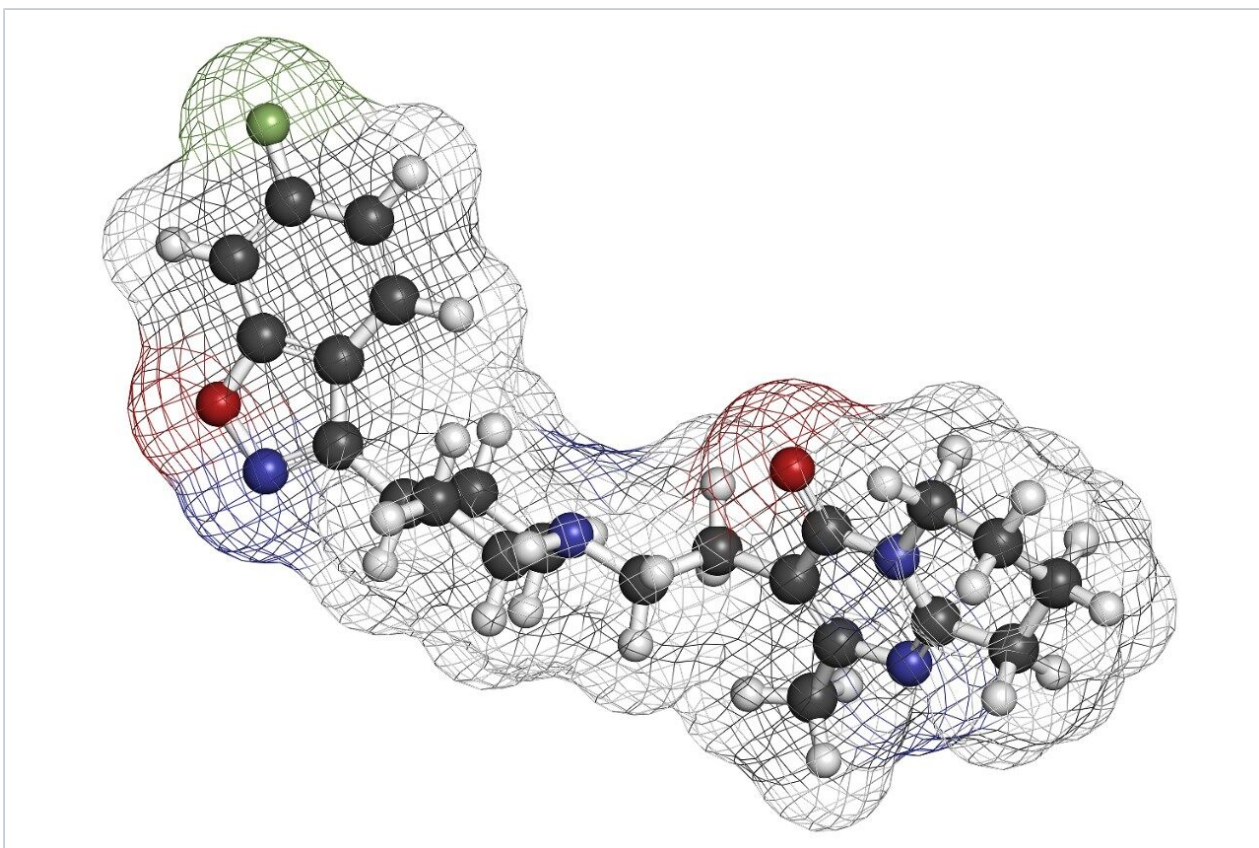


## Gradient Separation of Catecholamines on Atlantis HILIC Silica

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Waters Corporation



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

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### Abstract

This application brief describes the gradient separation of catecholamines on Atlantis HILIC Silica column.

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## Introduction

The compounds used in this study are:

- 1. Norepinephrine (NE)
- 2. Epinephrine (E)
- 3. 3-Hydroxytyramine (Dopamine)

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## Experimental

### Test Conditions

|                   |                                          |
|-------------------|------------------------------------------|
| Column:           | Atlantis HILIC Silica, 4.6 x 50 mm, 5 µm |
| Part Number:      | 186002028                                |
| Mobile Phase A:   | H <sub>2</sub> O                         |
| Mobile Phase B:   | ACN                                      |
| Mobile Phase C:   | 200 mM NH <sub>4</sub> COOH, pH 3.0      |
| Flow Rate:        | 2.0 mL/min                               |
| Injection Volume: | 5.0 µL                                   |
| Sample Diluent:   | 75:25 ACN:MeOH with 0.2% FA              |

Sample Concentration: 42 µg/mL Norepinephrine (NE), 17 µg/mL Epinephrine (E), 83 µg/mL 3-hydroxytyramine (Dopamine)

Detection: UV @ 280 nm

Temperature: Ambient

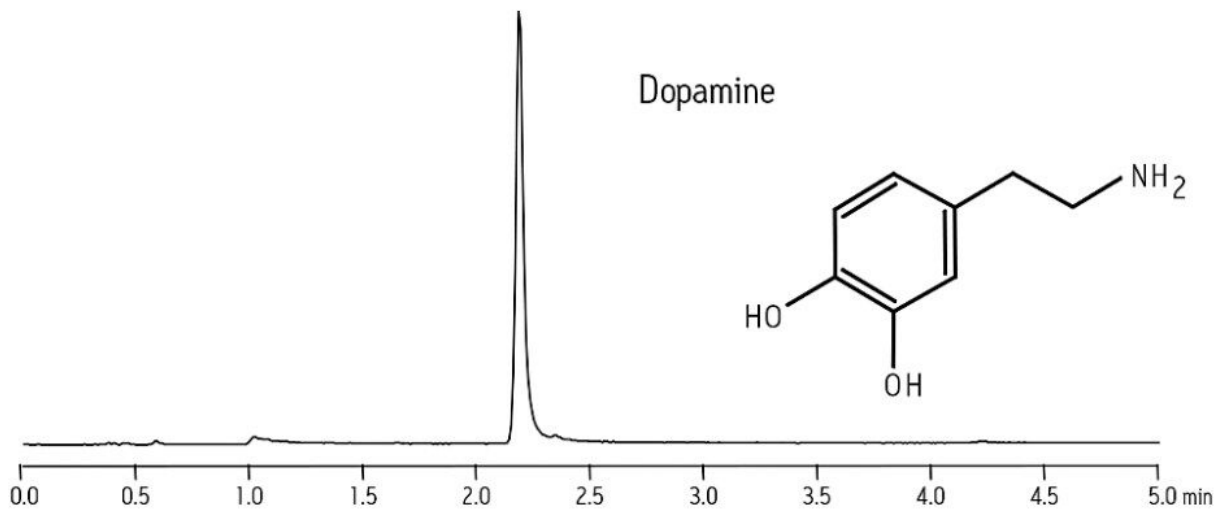
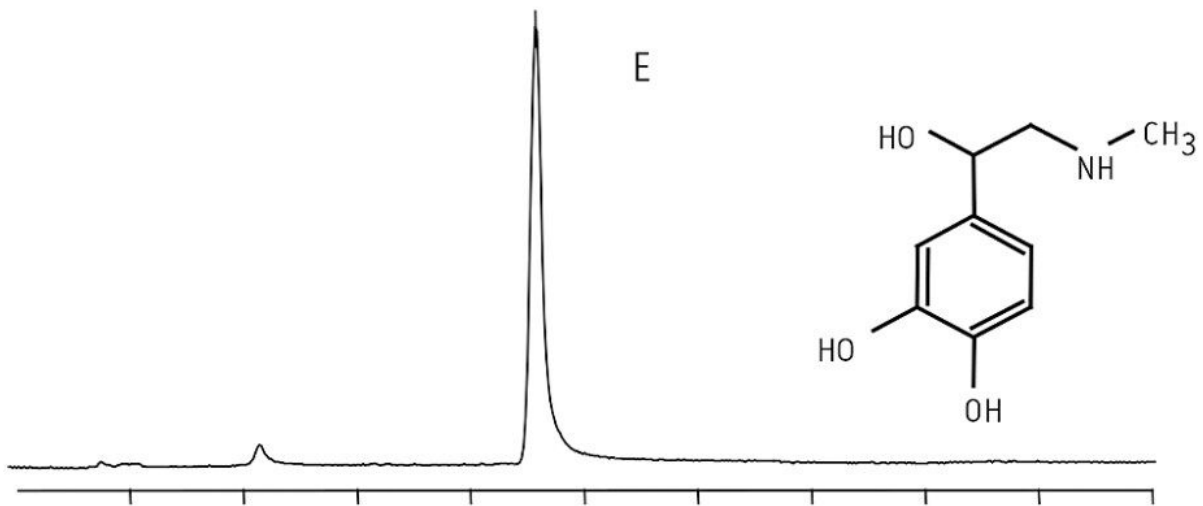
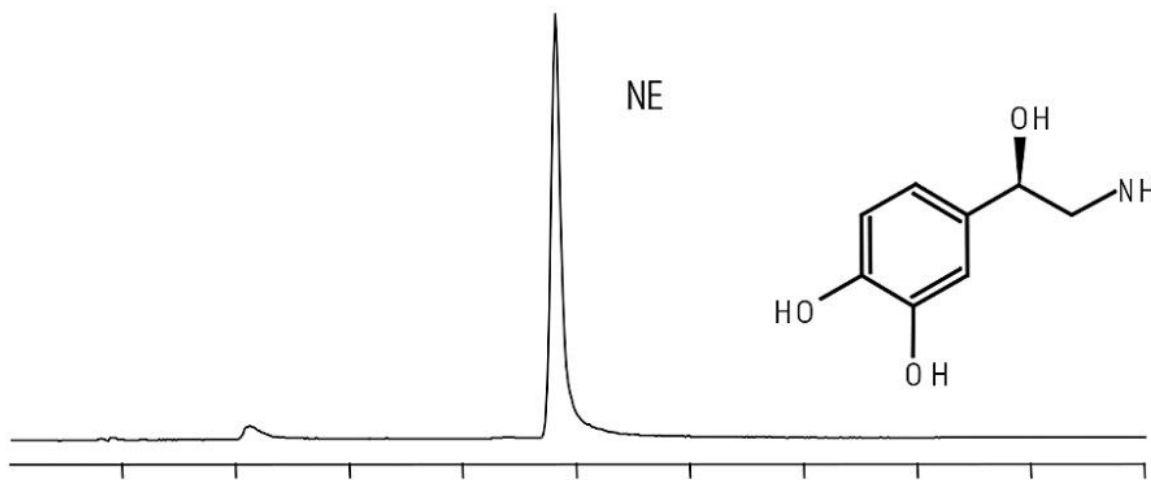
Instrument: Waters Alliance System, 2695 Separations Module with 2996 PDA

### Gradient:

| Time(min) | Profile |
|-----------|---------|
|           | %A      |
| 0.0       | 0       |
| 5.0       | 25      |

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## Results and Discussion



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Alliance HPLC System <<https://www.waters.com/534293>>

WA64073, August 2009

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