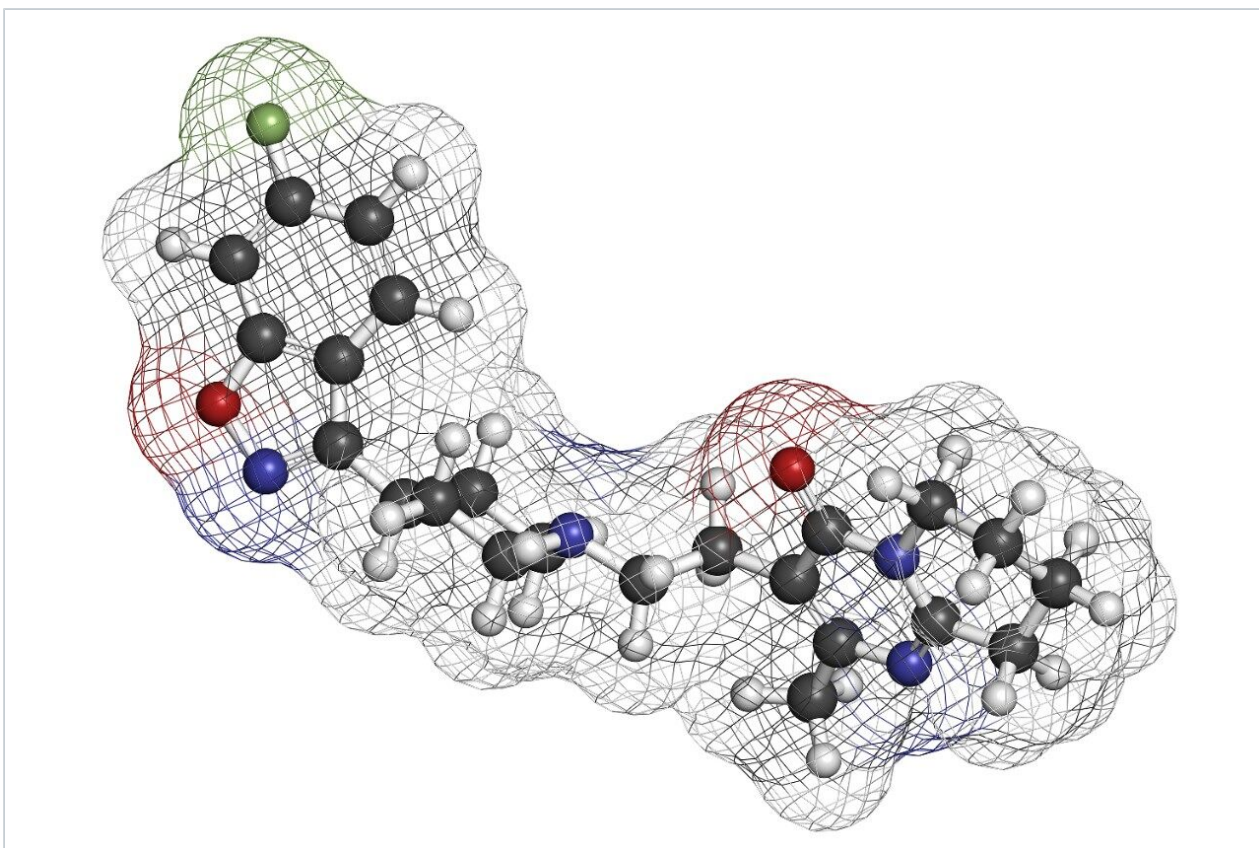


Gradient Separation of Catecholamines on Atlantis HILIC Silica

Waters Corporation



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

Abstract

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

Introduction

The compounds used in this study are:

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

Experimental

Test Conditions

Column:	Atlantis HILIC Silica, 4.6 x 50 mm, 5 µm
Part Number:	186002028
Mobile Phase A:	H ₂ O
Mobile Phase B:	ACN
Mobile Phase C:	200 mM NH ₄ 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

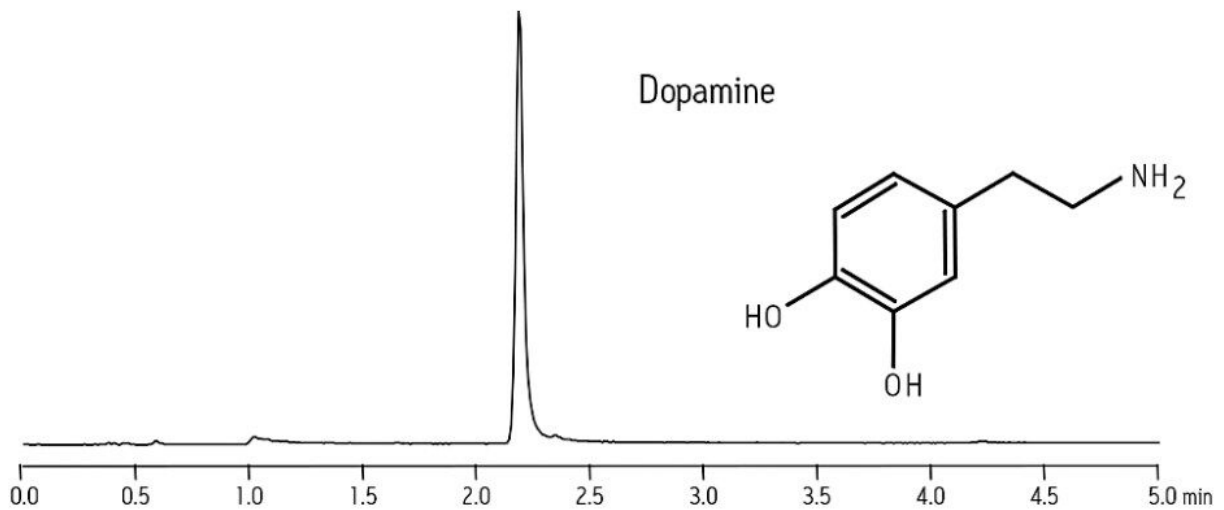
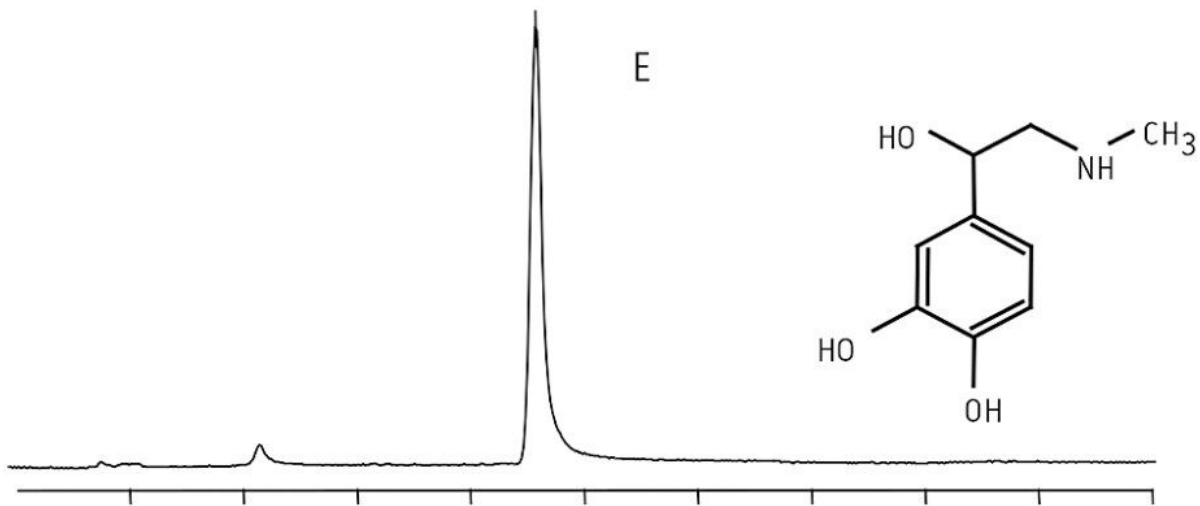
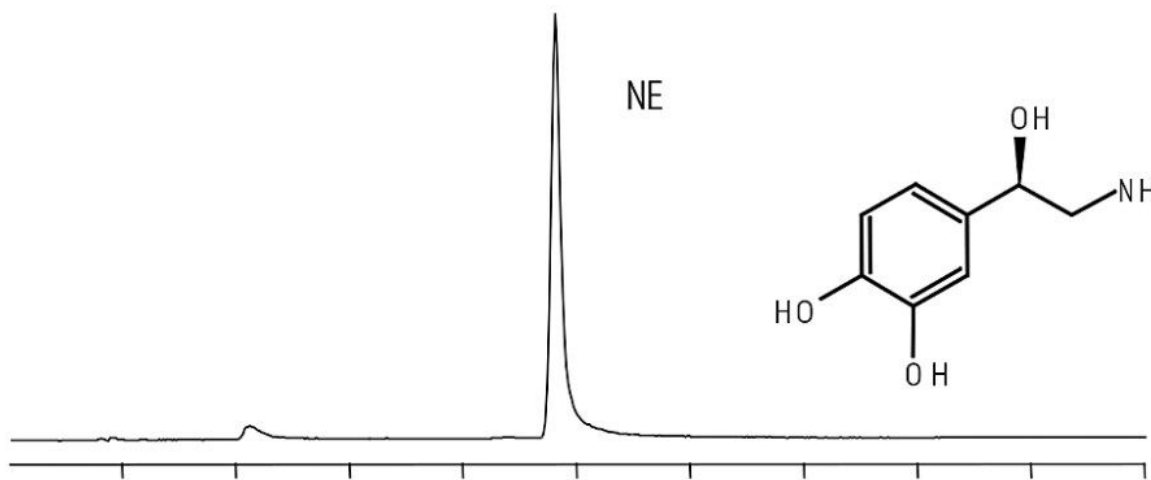
Temperature: Ambient

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

Gradient:

Time(min)	Profile
	%A
0.0	0
5.0	25

Results and Discussion



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

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