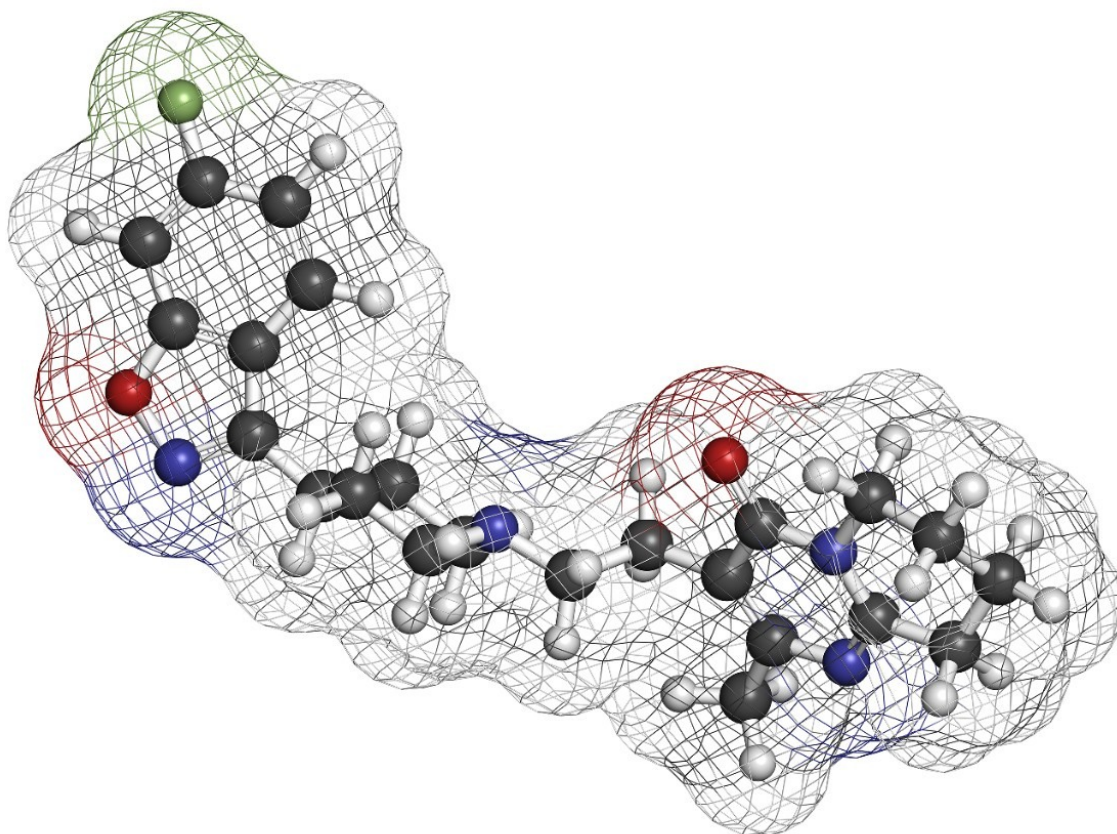


Gradient Separation of Catecholamines on Atlantis HILIC Silica

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 μ m
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 μ L
Sample Diluent:	75:25 ACN:MeOH with 0.2% FA
Sample Concentration:	42 μ g/mL Norepinephrine (NE), 17 μ g/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:

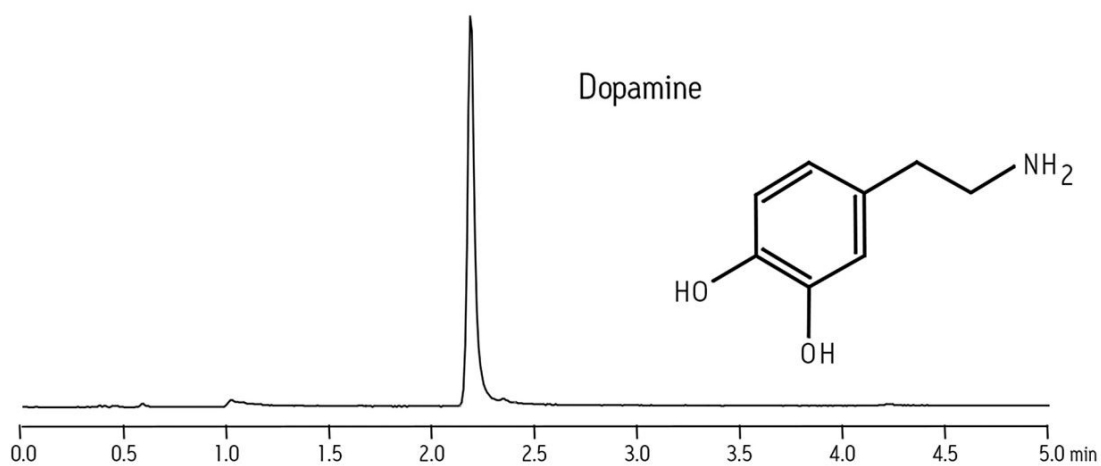
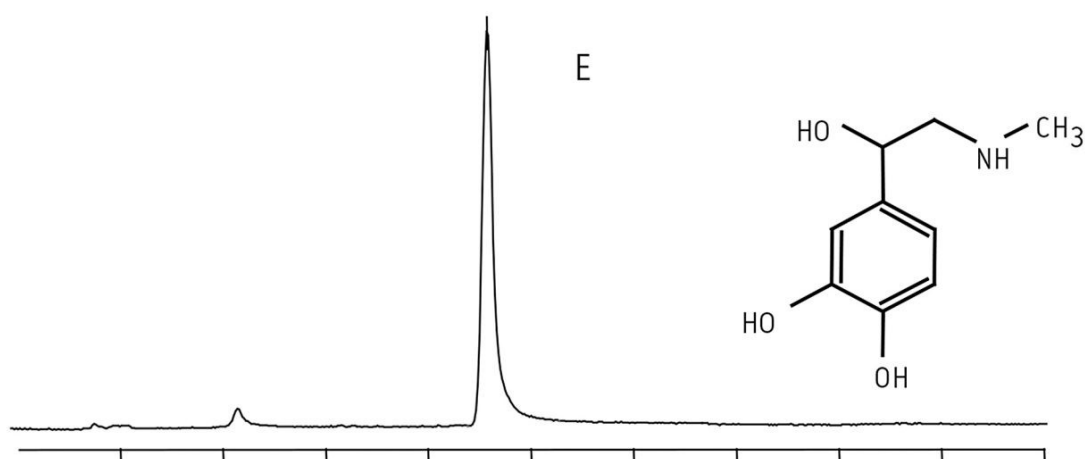
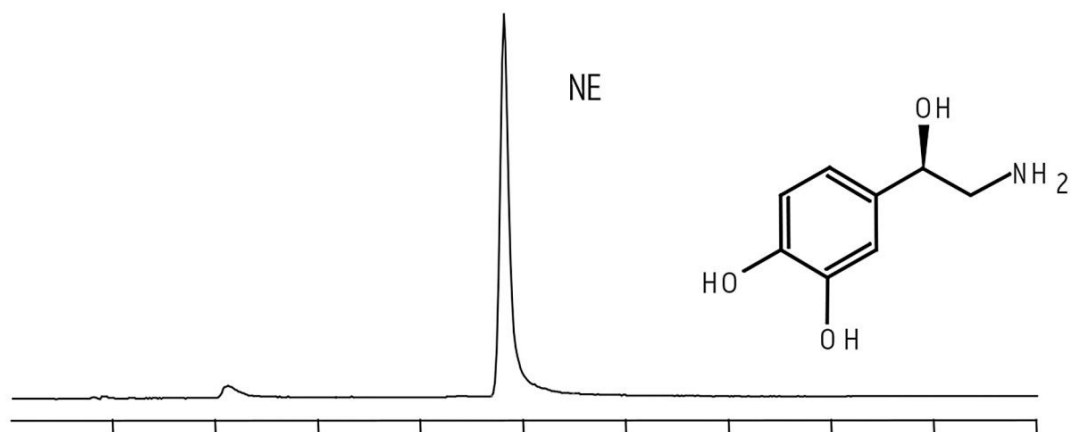
Time(min)	Profile
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	%A
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0.0	0
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5.0	25
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Results and Discussion



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· [Alliance HPLC System <https://www.waters.com/534293>](https://www.waters.com/534293)

WA64073, August 2009



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