

Isocratic Separation of Clonidine on Atlantis HILIC Silica

Waters Corporation



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

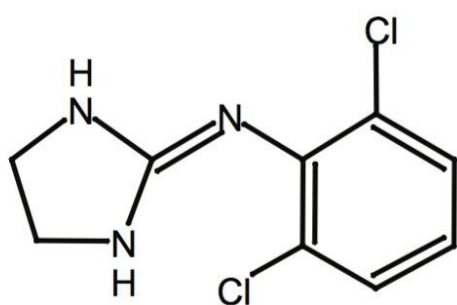
Abstract

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

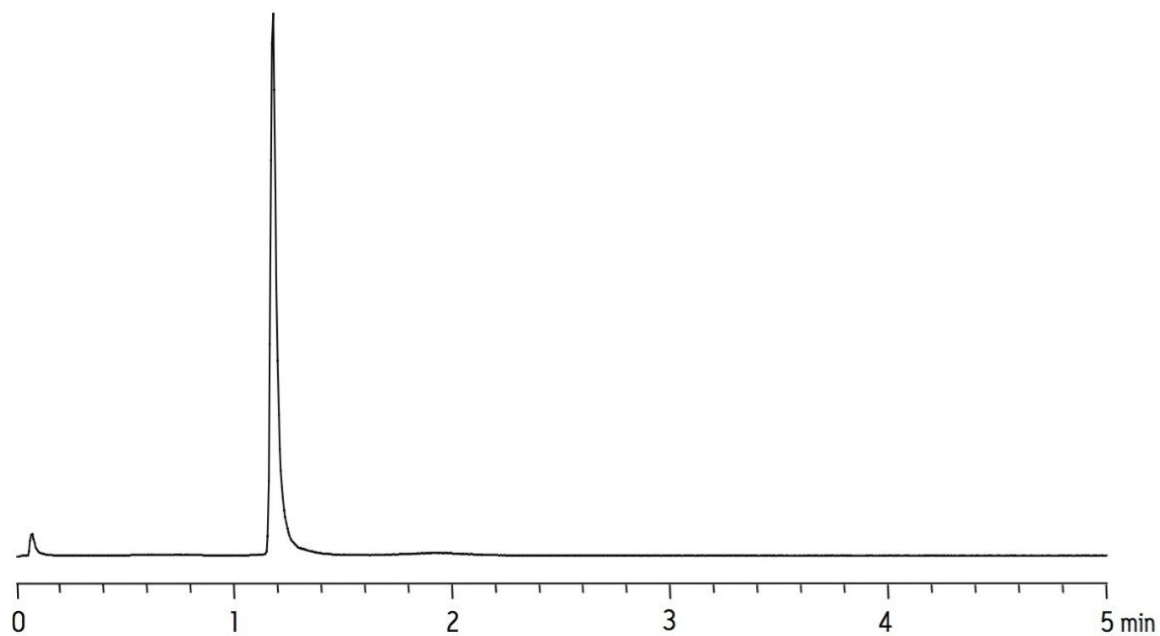
Column:	Atlantis HILIC Silica, 2.1 x 50 mm, 3 μ m
Part Number:	186002011
Mobile Phase A:	200 mM NH_4COOH , pH 3.0
Mobile Phase B:	ACN
Flow Rate:	0.3 mL/min

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 <i>m/z</i>

Results and Discussion



Featured Products

ACQUITY UPLC System <<https://www.waters.com/514207>>

WA64074, August 2009