

**Analysis of Cetirizine Hydrochloride Using aCore Enhanced Technology Accucore  
HPLCColumn**

**Application #610**

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# Analysis of Cetirizine Hydrochloride Using aCore Enhanced Technology Accucore HPLCColumn

## General Information

Market: Pharmaceutical

Matrix: N/A

Instrument type: HPLC

## Description

This application note demonstrates the use of the Thermo Scientific Accucore HILIC HPLC column for the fast analysis of cetirizine hydrochloride. The method of analysis can be used as an alternative to the USP monograph which uses an aggressive acid in the mobile phase.

## Method Details

### Instrument parameters

Instrument Parameter	Value
Run Time Length	2.000 min
Mobile_phase	90:10 MeCN / ammonium acetate 200 mM pH5.0
Column_temperature	30C
Injection_volume	1µL
Flow_rate	0.4 mL/min
UV_detection	230 nm

## Gradient Details

No gradient information available.

## Column Details

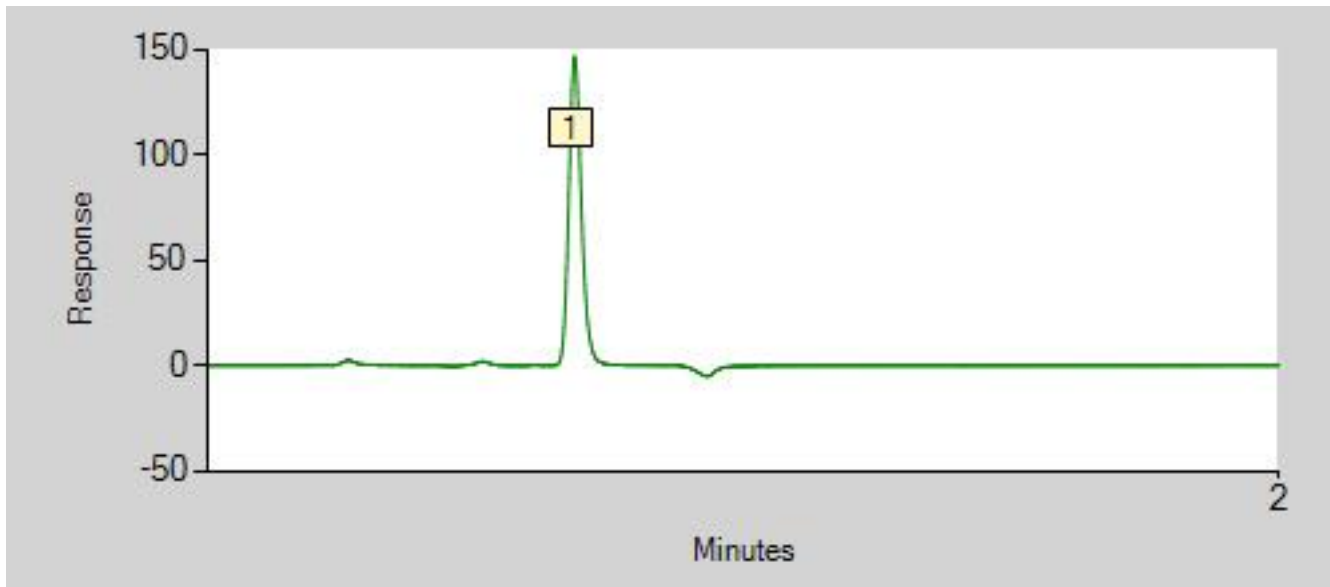
column_A	
Manufacturer	Thermo Scientifc
Model	Accucore HILIC
Diameter	2.1
Length	50
Particle Size	2.6
Packing Material	Accucore HILIC 2.6 m 50 x 2.1 mm PN 17526-052130

## System information

Instrument Type	UHPLC
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## Results

### Channel Detector\_1\_230nm



No	Peak_Name	*Compound _Class	Retention_Ti me	Peak_Area	Peak_Area_p c	Peak_Height	Peak_Height _pc	Plates_(USP)	Resolution_( USP)	Tailing_Facto r_(USP)
1	Cetirizine Hydrochlorid e	n.a.	0.684	3.905	100.00	146.025	100.00	4270	n.a.	1.18

## Appendix

The application can be accessed at <http://dlibrary.dionex.com/Public/View.aspx?ApplicationID=610>

### Available Downloads

Filename	Size(bytes)
ANCCSCETCHYDCHL_0611.pdf	768941

### Related Information

No related information available.