

## Anagrelide

### Application #560

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## Anagrelide

### General Information

Market: Pharmaceutical

Matrix: Human Plasma

Instrument type: UHPLC

### Description

Accucore HPLC columns use Core Enhanced Technology to facilitate fast and high efficiency separations. The 2.6 $\mu$ m diameter particles are not totally porous, but rather have a solid core and a porous outer layer. The optimised phase bonding creates a series of high coverage, robust phases. Accucore C18 uses an optimized alkyl chain length for more effective coverage of the silica surface. This coverage results in a significant reduction in secondary interactions and thus highly efficient peaks with very low tailing. The tightly controlled 2.6 $\mu$ m diameter of Accucore particles results in much lower backpressures than typically seen with sub-2 $\mu$ m materials.

## Method Details

### Instrument parameters

Instrument Parameter	Value
Run Time Length	4.498 min
Mobile_Phase_A	Water/0.1% Formic Acid
Mobile_Phase_B	Methanol/0.1% Formic Acid
Flow_Rate	0.4 mL/min
Temperature	40 °C
Injection_Volume	5 µL
Detection	MS

## Gradient Details

Ret. Time [min]	Flow [ml/min]	%B [%]	%C [%]	%D [%]
0.000	0.400	10.0	0.0	0.0
0.200	0.400	10.0	0.0	0.0
1.000	0.400	70.0	0.0	0.0
2.500	0.400	70.0	0.0	0.0
3.500	0.400	90.0	0.0	0.0
3.700	0.400	10.0	0.0	0.0
4.500	0.400	10.0	0.0	0.0

## Column Details

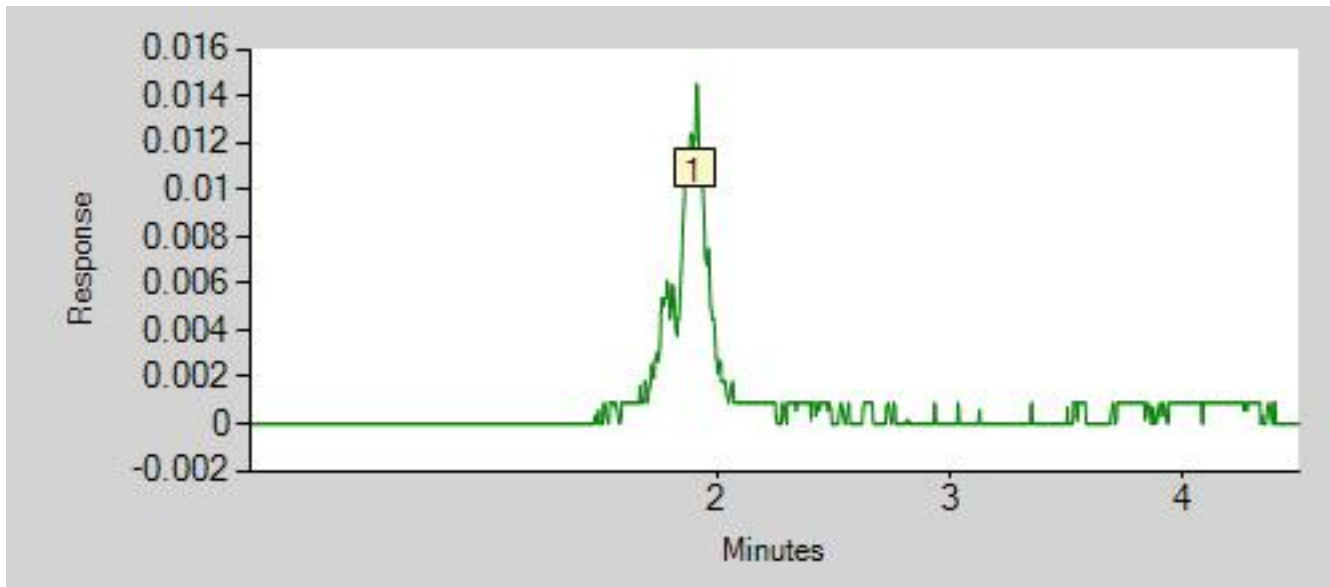
column_A	
Manufacturer	Thermo Fisher Scientific
Model	Accucore C18
Diameter	2.1
Length	50
Particle Size	2.6
Packing Material	C18

**System information**

Instrument Type	UHPLC
UHPLC	Generic

## Results

### Channel Channel\_A



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	Anagrelide	Phospholipas e A2 Inhibitor	1.909	0.001	100.00	0.015	100.00	n.a.	n.a.	n.a.

## Appendix

The application can be accessed at <http://dlibrary.dionex.com/Public/View.aspx?ApplicationID=560>

### Available Downloads

No downloads available.

### Related Information

No related information available.