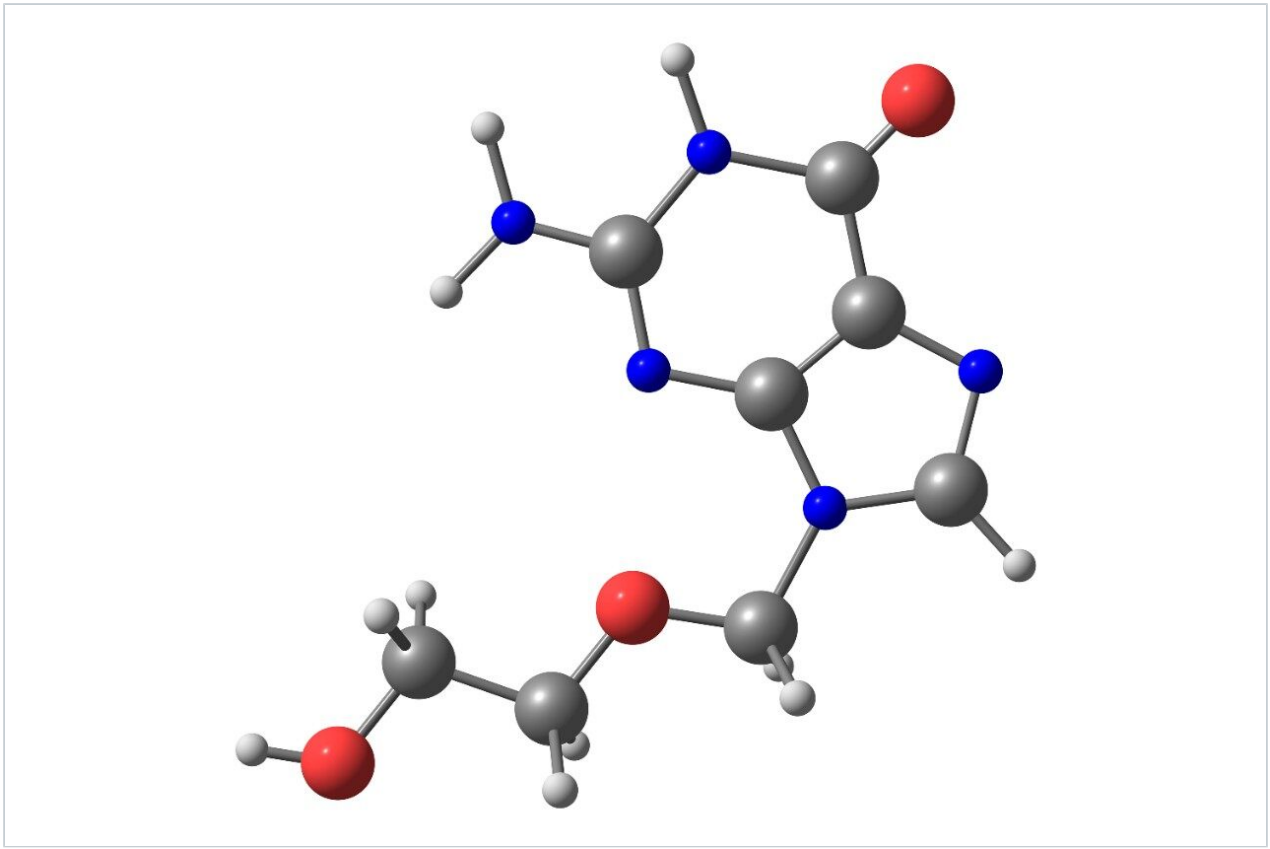
Waters™

Application Note

Gradient Separation of Guanine and Acyclovir on ACQUITY UPLC BEH HILIC

Waters Corporation



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

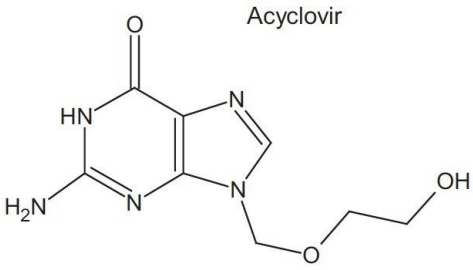
Abstract

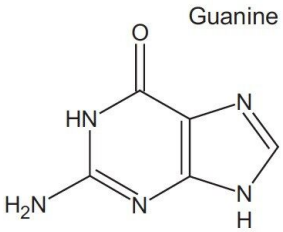
Thia application note demonstrates the gradient separation of guanine and acyclovir on ACQUITY UPLC BEH HILIC Columns.

Introduction

The compounds used in this study are:

1. Acyclovir
2. Guanine



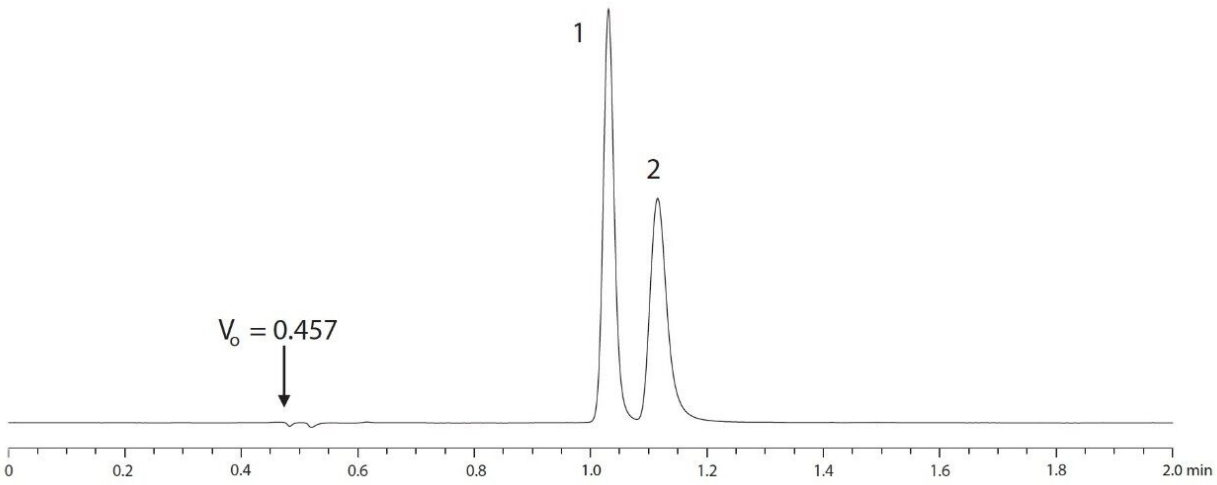


Experimental

Test Conditions

Column:	ACQUITY UPLC BEH HILIC, 2.1 x 100 mm, 1.7 µm
Part Number:	186003461
Mobile Phase A:	0.2% HCOOH in H_2O
Mobile Phase B:	0.2% HCOOH in ACN
Flow Rate:	0.556 mL/min
Isocratic Mobile Phase Composition:	8% A; 92% B
Injection Volume:	0.4 µL
Sample Concentration:	83 µg/mL
Sample Diluent:	0.02 N NaOH in 60:40 ACN:H_2O
Temperature:	65 °C
Detection:	UV @ 254 nm
Sampling Rate:	20 pts/sec
Time Constant:	0.1
Instrument:	Waters ACQUITY UPLC with ACQUITY TUV

Results and Discussion



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ACQUITY UPLC Tunable UV Detector <https://www.waters.com/514228>

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