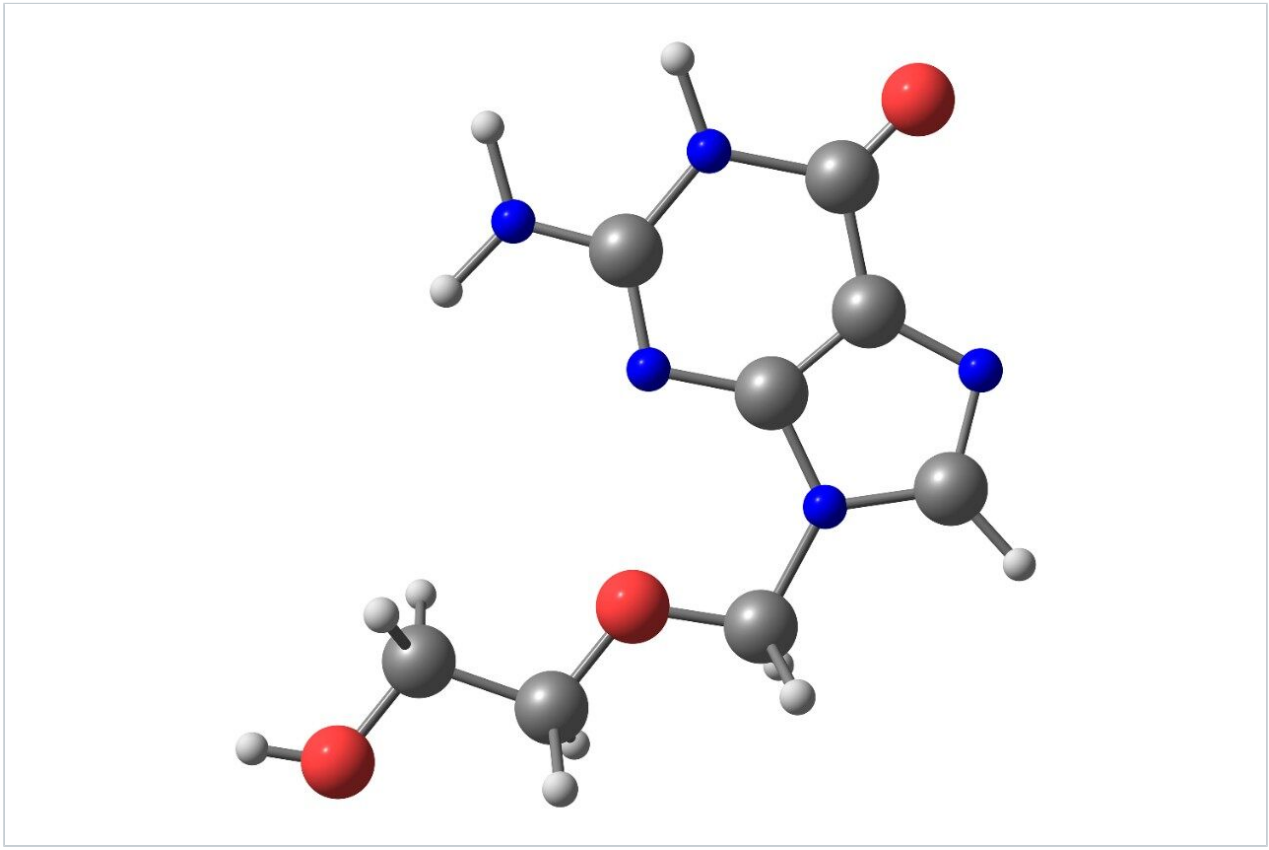
Waters™

アプリケーションノート

# 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.

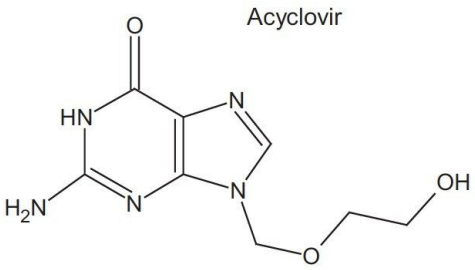
## Abstract

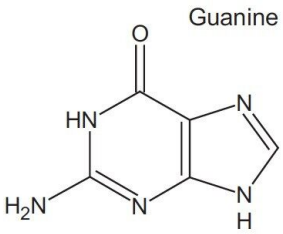
Thia application note demonstrates the gradient separation of guanine and acyclovir on ACQUITY UPLC BEH HILIC Columns.

## Introduction

The compounds used in this study are:

1. Acyclovir
2. Guanine



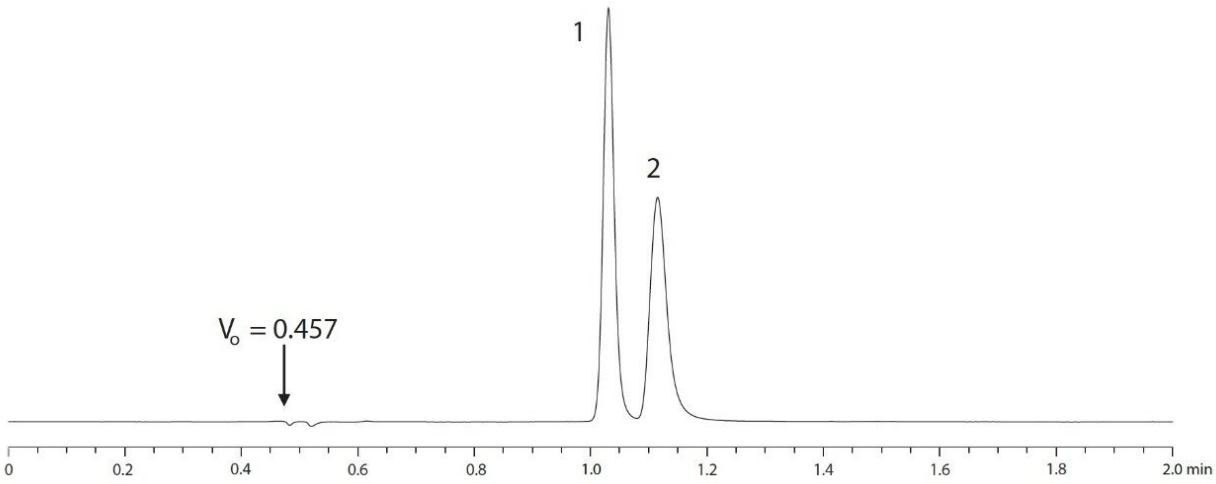

## Experimental

### 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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