

## Application Note

# Gradient Separation of Bamethan and Albuterol on ACQUITY UPLC BEH HILIC

---

Waters Corporation



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

---

## Abstract

This application brief demonstrates the gradient separation of bamethan and albuterol on ACQUITY UPLC BEH HILIC Columns.

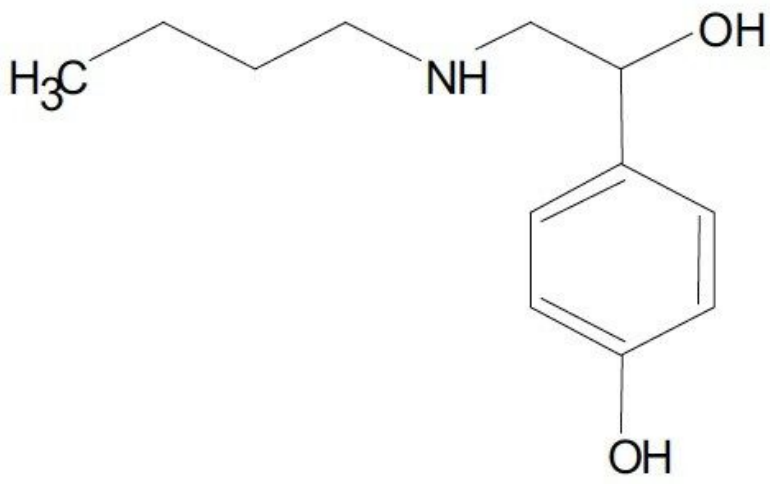
---

## Introduction

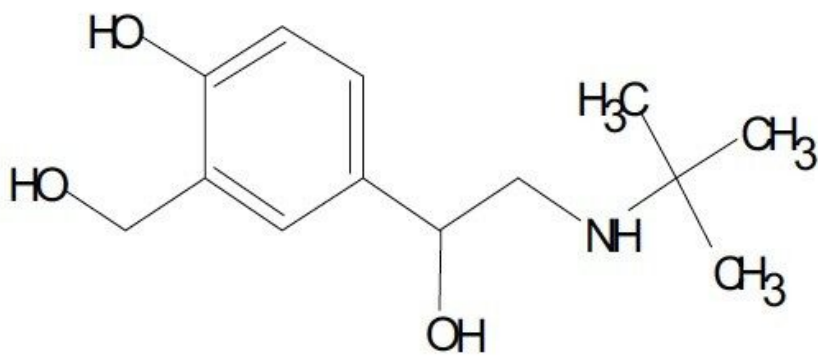
The compounds used in this study are:

1. Bamethan
2. Albuterol

## Bamethan



## Albuterol



---

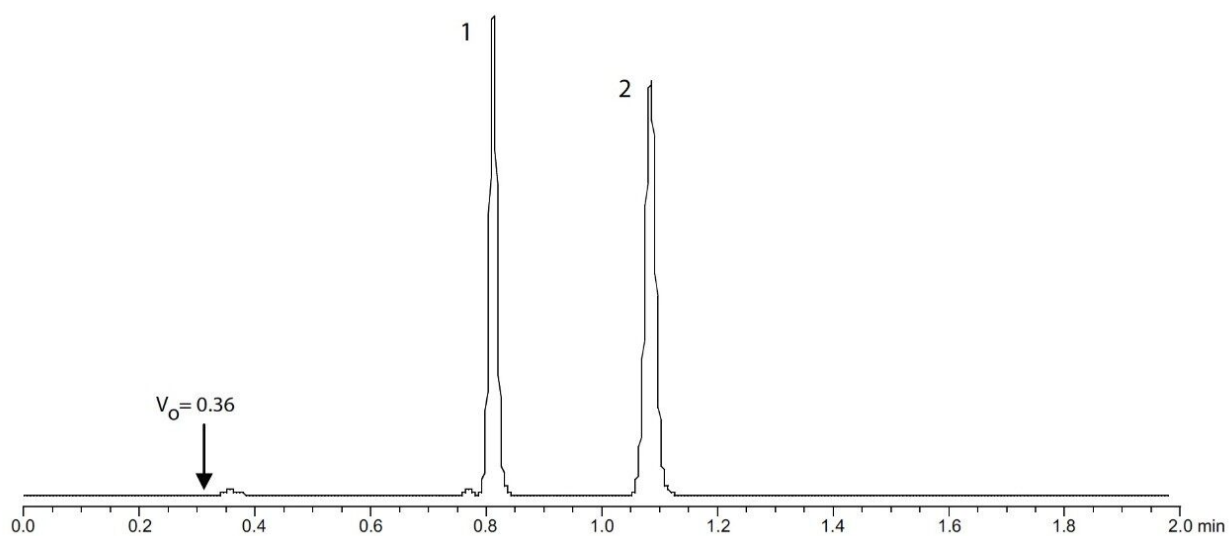
Experimental

## Test Conditions

Column:	ACQUITY UPLC BEH HILIC, 2.1 x 100 mm, 1.7 $\mu$ m
Part Number:	186003461
Mobile Phase A:	10 mM NH <sub>4</sub> COOH, 0.2% HCOOH in 90:10 ACN:H <sub>2</sub> O
Flow Rate:	0.708 mL/min
Isocratic Mobile Phase Composition:	100% A
Injection Volume:	0.8 $\mu$ L
Sample Concentration:	125 $\mu$ g/mL
Sample Diluent:	75:25 ACN:MeOH with 0.2% HCOOH
Temperature:	30 $^{\circ}$ C
Detection:	UV @ 280 nm
Sampling Rate:	20 pts/sec
Time Constant:	0.1
Instrument:	Waters ACQUITY UPLC with ACQUITY TUV

---

## Results and Discussion



---

## Featured Products

[ACQUITY UPLC System <https://www.waters.com/514207>](https://www.waters.com/514207)

[ACQUITY UPLC Tunable UV Detector <https://www.waters.com/514228>](https://www.waters.com/514228)

WA60135, August 2009