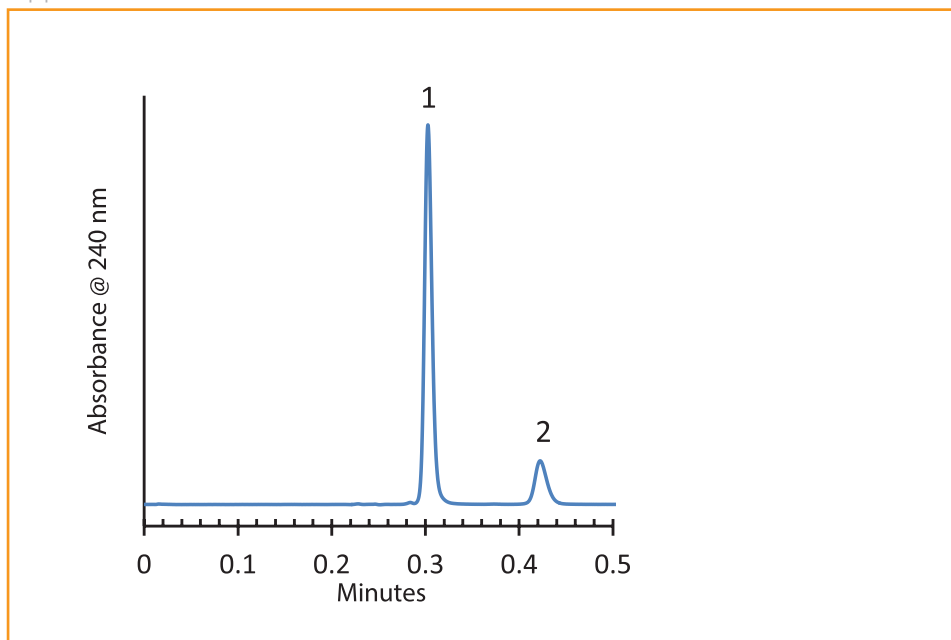




## Amoxicillin and Ampicillin on HALO® RP-Amide

Application Note 75-AB



### PEAK IDENTITIES:

1. Amoxicillin
2. Ampicillin

Amoxicillin and ampicillin are members of the  $\beta$ -lactam class of antibiotics and are used to treat infections. Using a short HALO® RP-Amide column, they can be analyzed efficiently in less than one minute.

### TEST CONDITIONS:

**Column:** HALO 90 Å RP-Amide, 2.7  $\mu$ m,  
4.6 x 50 mm

**Part Number:** 92814-407

**Mobile Phase:** 82/18 - A/B

A: 0.02 M phosphate buffer, pH 2.7

B: Acetonitrile

**Flow Rate:** 2.0 mL/min

**Pressure:** 200 bar

**Temperature:** 30 °C

**Detection:** UV 240 nm, VWD

**Injection Volume:** 1.0  $\mu$ L

**Sample Solvent:** 80/20 water/acetonitrile

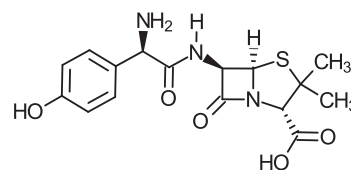
**Response Time:** 0.02 sec

**Flow Cell:** 2.5  $\mu$ L semi-micro

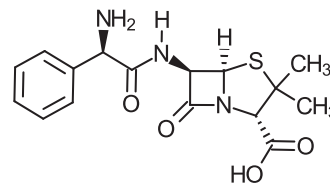
**LC System:** Shimadzu Prominence UFLC XR

**Extra column volume:** ~14  $\mu$ L

### STRUCTURES:



Amoxicillin



Ampicillin

