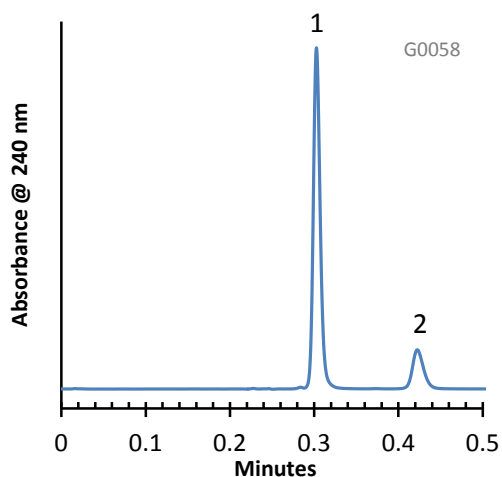


HPLC Application Note: 075-AB

## Separation of Amoxicillin and Ampicillin on HALO RP-Amide



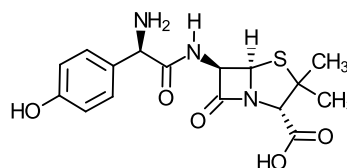
### PEAK IDENTITIES:

1. Amoxicillin
2. Ampicillin

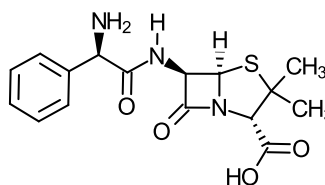
### TEST CONDITIONS:

Column: 4.6 x 50 mm, HALO RP-Amide  
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 µL  
Sample Solvent: 80/20: water/acetonitrile  
Response Time: 0.02 sec.  
Flow Cell: 2.5 µL semi-micro  
LC System: Shimadzu Prominence UFLC XR  
ECV: ~14 µL

### STRUCTURES:



Amoxicillin



Ampicillin

This chromatogram shows a time-efficient separation of two weakly retained antibiotics on a short HALO RP-Amide column.