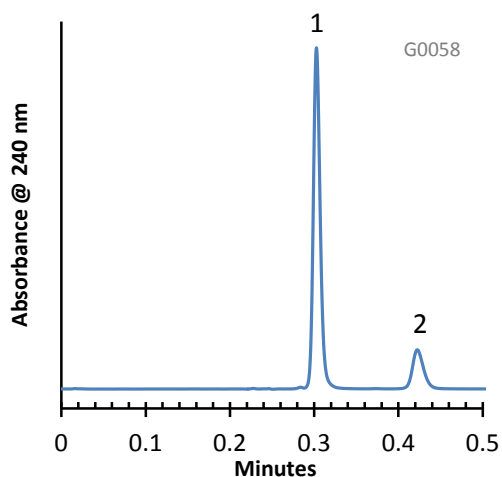


HPLC Application Note: 075-AB

Separation of Amoxicillin and Ampicillin on HALO RP-Amide



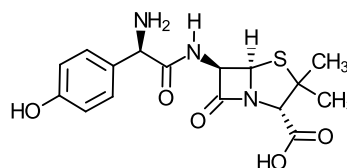
PEAK IDENTITIES:

1. Amoxicillin
2. Ampicillin

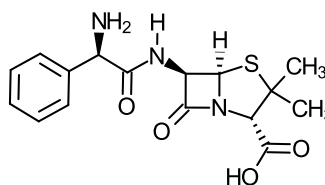
TEST CONDITIONS:

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.