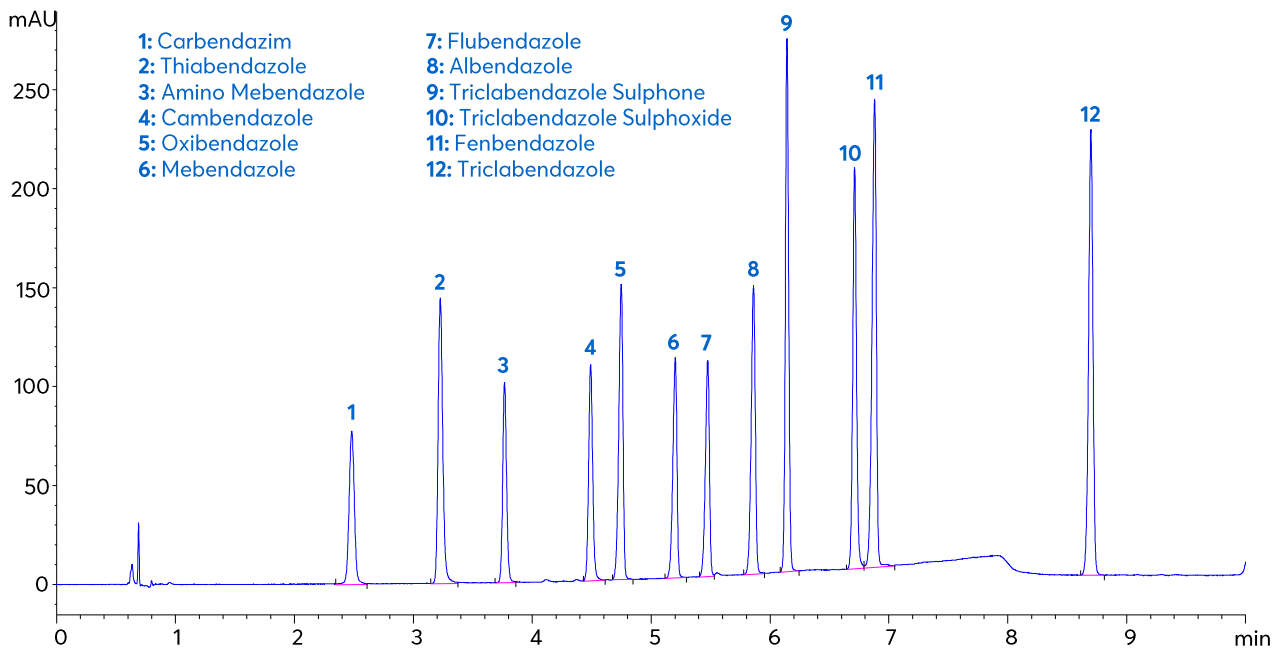


# Separation of Benzimidazoles



# Method Details

## CONDITIONS

Column: Avantor® ACE® UltraCore Biphenyl  
 Dimensions: 100 x 3.0 mm  
 Mobile Phases: A: 20 mM KH<sub>2</sub>PO<sub>4</sub> pH 6.5 in H<sub>2</sub>O  
 B: 20 mM KH<sub>2</sub>PO<sub>4</sub> pH 6.5 in MeCN/H<sub>2</sub>O 70:30 v/v

Gradient:

| Time (mins) | %B  |
|-------------|-----|
| 0           | 25  |
| 10          | 100 |
| 12          | 100 |
| 13          | 25  |
| 20          | 25  |

Flow Rate: 0.6 mL/min  
 Injection: 5 µL  
 Temperature: 40 °C  
 Detection: UV, 230 nm  
 System Dwell Volume: 550 µL

## ORDERING TABLE

| Product                          | Details                            | Size         | Part number   |
|----------------------------------|------------------------------------|--------------|---------------|
| Avantor® ACE® UltraCore Biphenyl | HPLC column                        | 100 x 3.0 mm | CORE-35D-1030 |
| Acetonitrile                     | VWR CHROMANORM® gradient grade     | 2.5 L        | 83639.320     |
| Water                            | VWR CHROMANORM® gradient grade     | 2.5 L        | 83650.320     |
| Potassium dihydrogen phosphate   | VWR HiPerSolv CHROMANORM® for HPLC | 500 g        | 153184U       |