

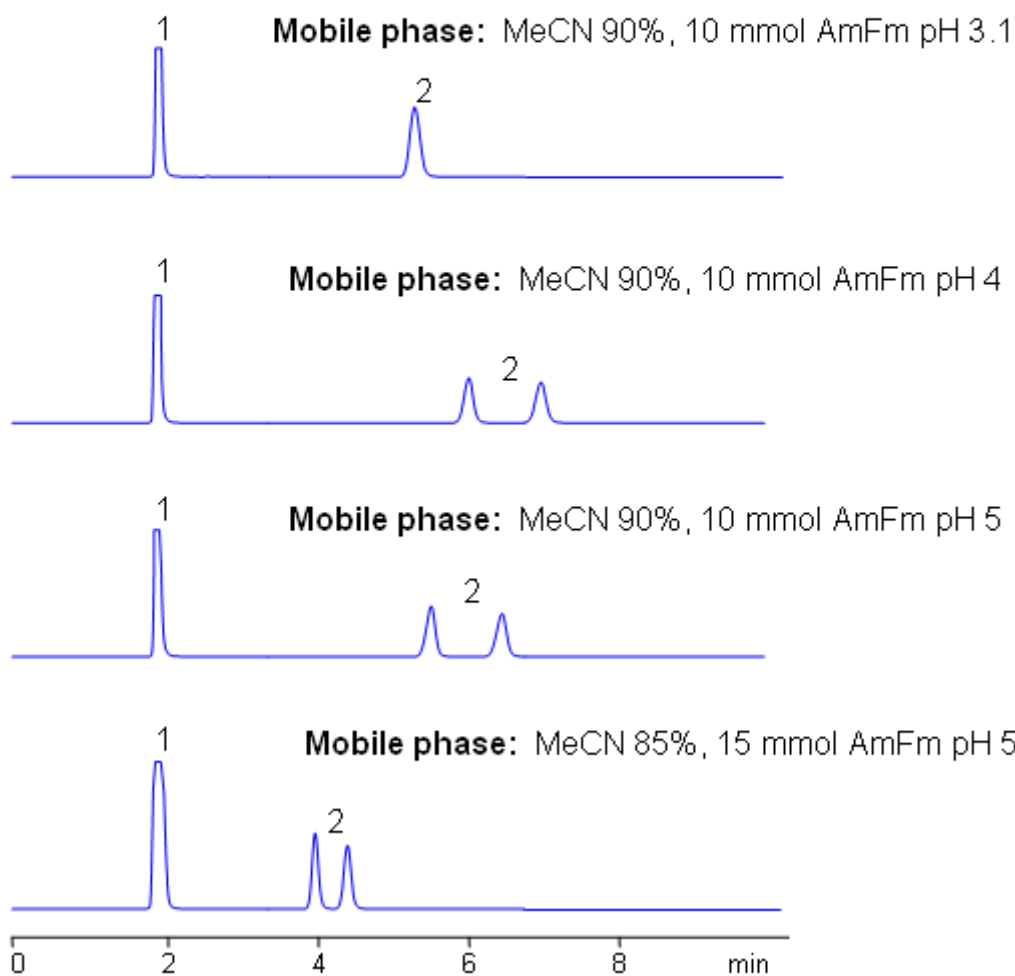
Retention of N-Nitrosarcosine on Obelisc N Column

<https://sielc.com/Application-Retention-of-N-Nitrosarcosine-on-Obelisc-N-Column>

Chromatogram

1. Acetone
2. N-Nitrosarcosine

Column: Obelisc N
Size: 46.150.0510
Flow: 1.0 mL/min
Detection: UV 250 nm
Sample: 1 mg/mL in acetone



Description

N-Nitrosarcosine is very polar compound with LogP of -0.5. It is a nitro derivative of glycine which is slightly acidic. HPLC method was developed on Obelisc N HILIC mixed-mode HPLC column. Nitrosarcosine is retained by combination of hydrophilic interaction chromatography and anion-exchange interaction. Compound exists in two forms which can be separated by adjusting pH of the mobile phase. Method is LC/MS compatible and uses ammonium formate as mobile phase modifier.