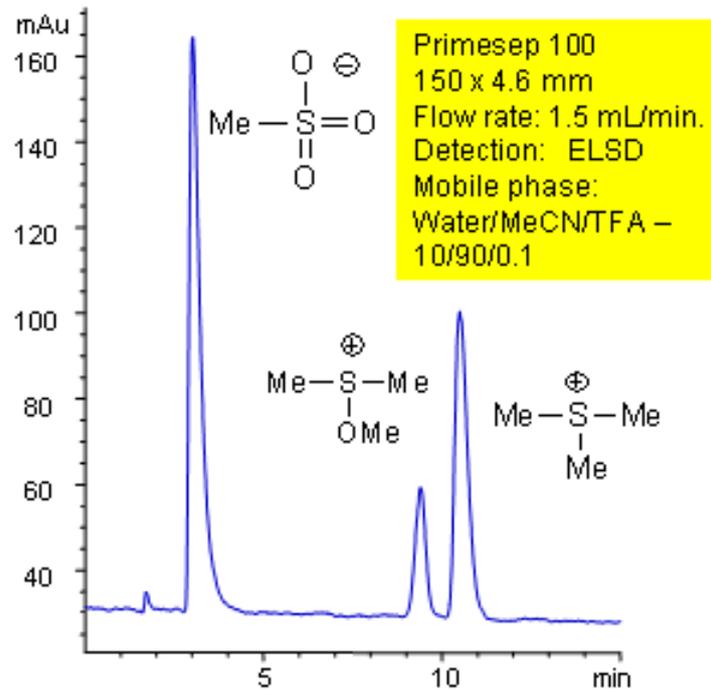


Separation of Sulphonium Ions in Polar Organic Mode



The separation of steroids on Primesep 100 demonstrates the versatility of Primesep columns in both polar organic and ion-exchange modes in the separation of sulfonium ions. The high organic mobile phase retains methane sulfonic acid by a polar organic mechanism and separates methoxydimethylsulfonium and trimethylsulfonium cations by polar organic and cation exchange modes. The separation method uses a mobile phase mixture of water, acetonitrile (MeCN, ACN), and trifluoroacetic acid (TFA) with evaporative light scattering detection (ELSD).

Method Parameters

| | |
|---------------------|---------------------------------------|
| Column | Primesep 100, 4.6x150 mm, 5 µm, 100 Å |
| Mobile Phase | MeCN/H ₂ O – 90/10% |
| Buffer | TFA – 0.1% |
| Flow Rate | 1.5 mL/min |
| Detection | ELSD |

Quelle: <https://sielc.com/Application-Separation-of-Sulphonium-Ions-in-Polar-Organic-Mode>