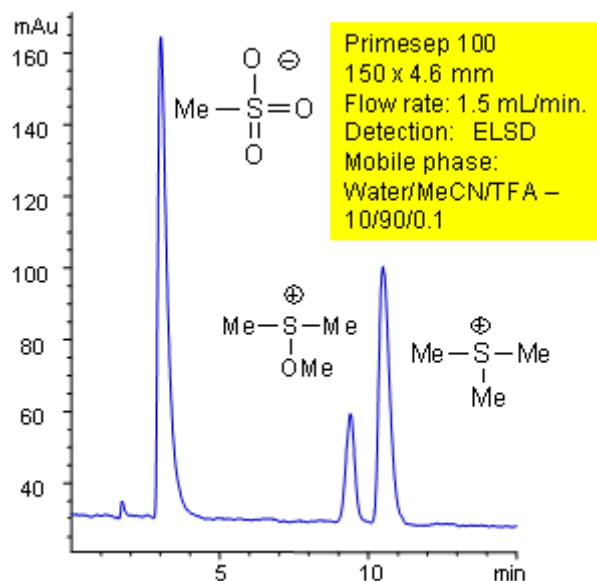


# Separation of Sulphonium Ions in Polar Organic Mode

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

## Chromatogram



## Description

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 methanesulfonic acid by a polar organic mechanism and separates methoxydimethylsulphonium and trimethylsulphonium 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

Mobile Phase	MeCN/H <sub>2</sub> O – 90/10%
Buffer	TFA – 0.1%
Flow Rate	1.5 ml/min
Detection	ELSD
Class of Compounds	Acid, Hydrophilic, Ionizable
Analyzing Compounds	Sulphonium Ions, Methoxydimethylsulphonium, Trimethylsulphonium

## HPLC Column Used

**Primesep 100, 4.6×150 mm, 5 µm, 100A**

[Order this column at hplc-shop.de →](https://www.hplc-shop.de)