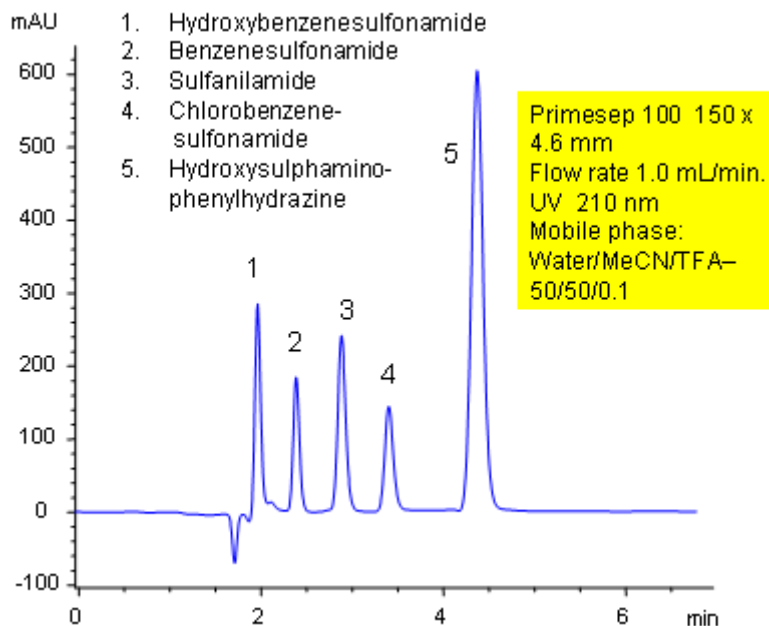


# Separation of Sulfonamides and Phenylhydrazine by Mixed-Mode HPLC

<https://sielc.com/Application-Separation-of-Sulfonamides-and-Phenylhydrazine-By-Mixed-Mode-HPLC>

## Chromatogram



## Description

Primesep 100 separates a mixture of sulfonamides (benzenesulfonamide, chlorobenzenesulfonamide, hydroxybenzenesulfonamide) and hydroxysulphaminophenylhydrazine by a mixture of polar and hydrophobic interactions. The stationary phase's hydrophobic functionality provides a reversed-phase mechanism while the embedded cation-exchange group provides polar interactions. The separation method uses a mobile phase mixture of water, acetonitrile (MeCN, ACN) and trifluoroacetic acid (TFA) with UV detection at 210 nm. This method is mass spec (LC/MS) and evaporative light scattering (ELSD) compatible.