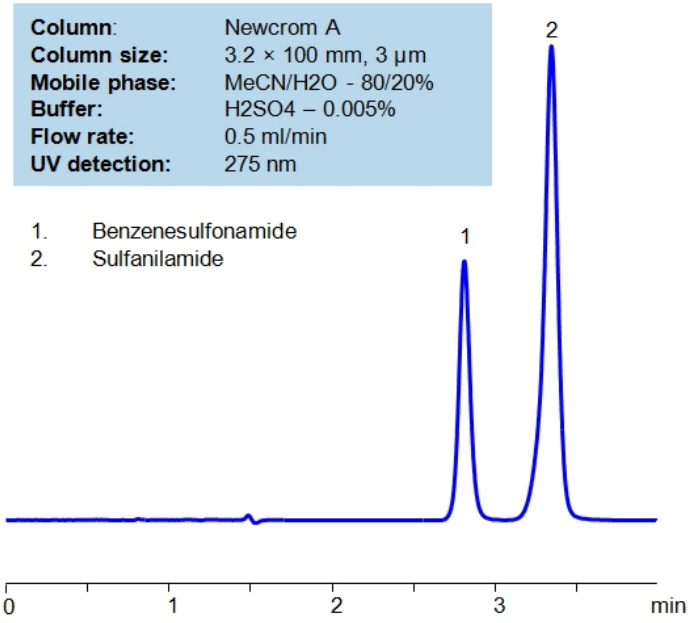
HPLC Separation of Benzenesulfonamide and Sulfanilamide



Both Benzenesulfonamide and sulfanilamide are organic antibacterial compounds differing only in the addition of an extra amino group in sulfanilamide. The closely related compounds can be separated on a mixed-mode Primesep D column by hydrophobic and anion-exchange mechanisms or Primesep 100 column by hydrophobic and cation-exchange mechanisms with the elution order reversed using identical mobile phases. UV Detection at 230 nm.

Method Parameters

Column	Primesep D, , Primesep 100 4.6×150 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H2O – 10/90%
Buffer	Formic Acid – 0.1%
Flow Rate	0.5 mL/min
Detection	UV 230 nm

Quelle: https://sielc.com/Application-HPLC-Separation-of-Benzenesulfonamide-and-Sulfanilamide