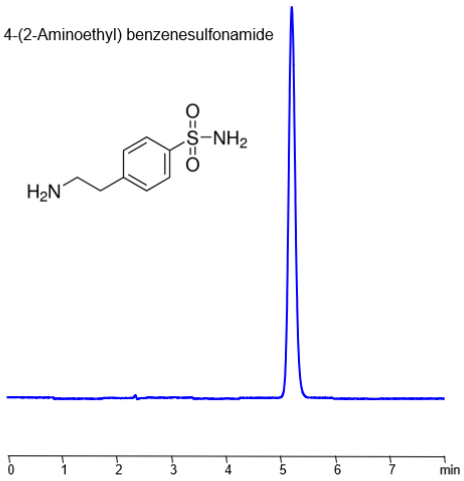
HPLC Method for Analysis of 4-(2-Aminoethyl) benzenesulfonamide on Primesep 100 Column



Column:	Primesep 100
Column size:	4.6 × 150 mm, 5 µm
Column part number:	100-46.150.0510
Mobile phase:	MeCN/H_2O – 20/80%
Buffer:	H_2SO_4 - 0.2%
Flow rate:	1.0 mL/min
Detection:	UV 220 nm

Separation type: Liquid Chromatography Mixed-mode

4-(2-Aminoethyl) benzenesulfonamide, when combined with hypoxic conditions, can inhibit the growth and induce apoptosis of human hepatocellular carcinoma cells. This Benzenesulfonamide can be retained and analyzed on a Primesep 100 mixed-mode stationary phase column using an isocratic analytical method with a simple mobile phase of water, Acetonitrile (MeCN), and a Sulfuric acid (H2SO4) buffer. This analysis method can be detected in the low UV regime at 220 nm.

Method Parameters

Column	Primesep 100 , 4.6×150 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H2O – 20/80%
Buffer	H2SO4 – 0.2%
Flow Rate	1.0 mL/min
Detection	UV 220, 265 nm

Quelle: https://sielc.com/hplc-determination-of-aebs

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