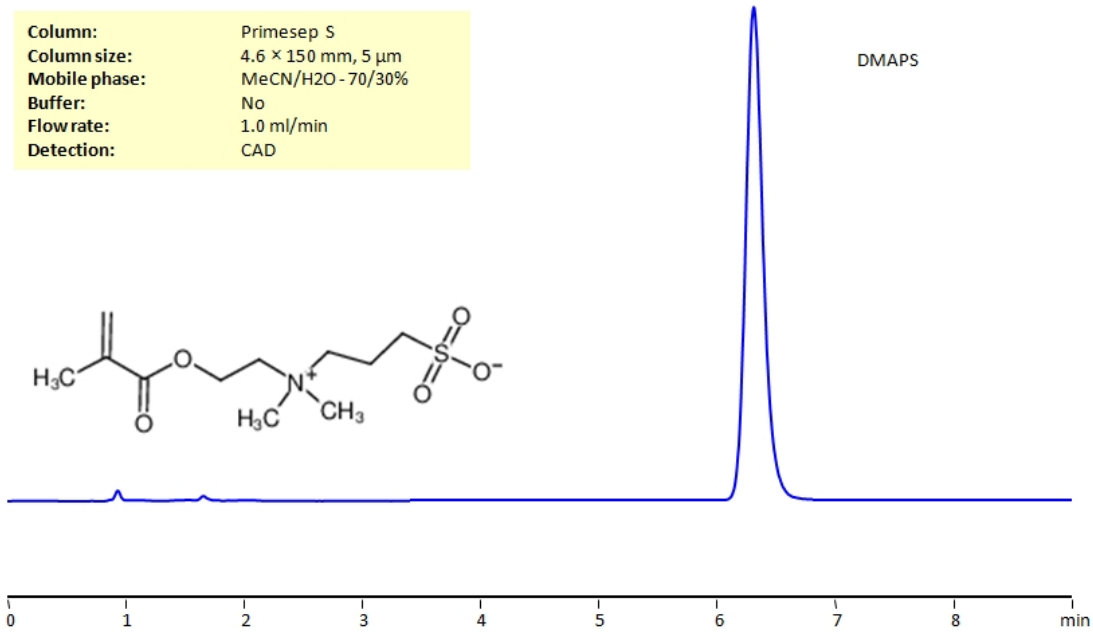
HPLC Determination of DMAPS on Primesep S Column



High Performance Liquid Chromatography (HPLC) Method for Analysis of 3-[Dimethyl-[2-(2-methylprop-2-enoyloxy)ethyl]azaniumyl]propane-1-sulfonate (DMAPS) .

3-[Dimethyl-[2-(2-methylprop-2-enoyloxy)ethyl]azaniumyl]propane-1-sulfonate (DMAPS) , also known as DMAPS, is a hygroscopic zwitterionic monomer with the chemical formula C11H21NO5S . It is typically used for the synthesis of polysulfobetaines, which are useful in many biomedical applications.

3-[Dimethyl-[2-(2-methylprop-2-enoyloxy)ethyl]azaniumyl]propane-1-sulfonate (DMAPS) can be retained and analyzed using the Primesep S stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN). Detection is performed using CAD.

Method Parameters

Column	Primesep S2, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 70/30%
Buffer	No
Flow Rate	1.0 mL/min
Detection	CAD, MS- compatible mobile phase

Quelle: https://sielc.com/hplc-determination-of-dmaps-on-primesep-s-column

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