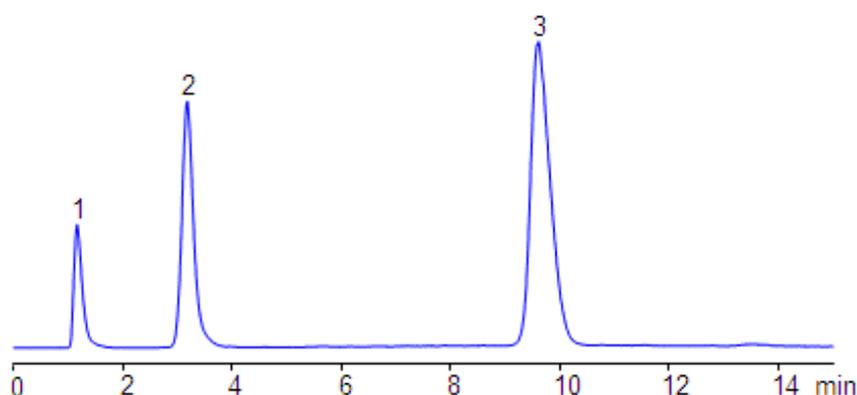


The Separation of Sodium, Dioctylsulfosuccinic Acid, and Sulfosuccinic Acid

Column: Primesep B4
Mobile phase: MeCN gradient 10-50%
in 10 min, AmFm pH 3.0
gradient 60-180 mM
Flow: 0.5 mL/min
Size: 3.2 x 50 mM
Detection: ELSD, 50C

1. Sodium
2. Dioctylsulfosuccinic Acid
3. Sulfosuccinic acid



Sulfosuccinic acid and the corresponding dioctyl ester were separated on the Primesep B4 short carbon-chain anion-exchange column. Short carbon chain stationary phase allows to elute hydrophobic and acidic diester in reasonable time. No elution was observed on the mixed-mode columns with longer carbon chain analogs due to very strong hydrophobic and anion-exchange interaction.

Method Parameters

Column	Primesep B4, 3.2x50 mm, 5 µm, 100 Å
Mobile Phase	Gradient MeCN – 10 -50%, 10 min
Buffer	Gradient AmFm pH 3.0- 60-180 mM, 10 min
Flow Rate	1.0 mL/min
Detection	ELSD, 50C

Quelle: <https://sielc.com/Application-The-Separation-of-Sodium-Dioctyl-Sulfosuccinic-Acid-and-Sulfosuccinic-Acid>