

Separation of Fluoroacetate and Fluoride ZIC[®]-HILIC

Chromatographic Conditions

Column: Injection: Detection: Flow Rate:	SeQuant [®] ZIC [®] - 50 µL Bioscan 3000 Ra 2.0 mL/min	HILIC, 250 x 4 diodetector	4.6 mm, 5 μm	, 200 Å	1.50458.0001	
Mobile Phase (v/v):	A: Buffer; 50 mM Ammonium Hydrogen Carbonate (NH_4HCO_3) in water B: 100% Acetonitrile					
Gradient:	0-3 minutes with min. From 3.5-9 by a re-equilibra	-3 minutes with 90% B and 10 % A, followed by rapid increase of A from 10 to 80% in 0.5 nin. From 3.5-9 min, 20% B and 80 % A. Return to initial conditions in 0.5 minutes followed y a re-equilibration between 9.5-15 min.				
Temperature: Diluent	Ambient Mobile phase					
	- Rado dever Druck Jylon Retrotor Name Area Parcent	M HAUC 		2 Photos 22.7		
			3.068 2. PU000 Acertans 77.3		<u></u>	
	0	2 Ret	4 ention Tim	6 e (minutes)	8	

Chromatographic Data

No.	Compound	Time	Retention Factor (k')
1	void volume	1.3	-
2	Fluoroacetate	3.1	1.4
3	Fluoride	6.6	4.3

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