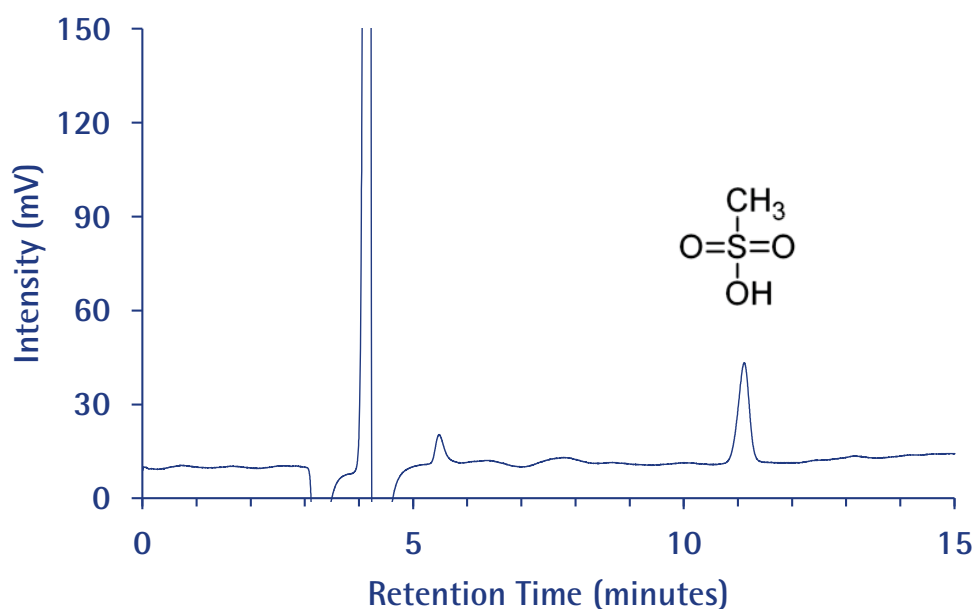


Methanesulfonic Acid in Busulfan Injection

SeQuant® ZIC®-HILIC

Chromatographic Conditions

Column:	SeQuant® ZIC®-HILIC (3.5 µm, 200 Å) 150×4.6 mm	1.50444.0001
Injection:	20 µL	
Detection:	Shimadzu Prominence, RI (cell temperature 40 °C, Range 1.0)	
Cell:	10 µl	
Flow Rate:	0.5 mL/min	
Mobile Phase:	Buffer: Dissolve 7.7 g of ammonium acetate in 1000 ml water (100 mM). Adjust pH to 4.5 with glacial acetic acid. Mix Acetonitrile and Buffer 80:20 (v/v) Total ionic strength: 20 mM	
Temperature:	40 °C	
Diluent:	Mobile phase	
Sample:	Weigh 20 mg of sample in 100 ml volumetric flask. Dilute up to the mark with mobile phase.	
Pressure Drop:	57 bar (826 psi)	



Chromatographic Data

No.	Compound	Time	Theoretical Plates	Tailing Factor
1	Methanesulfonic Acid	11.1	12917	1.0