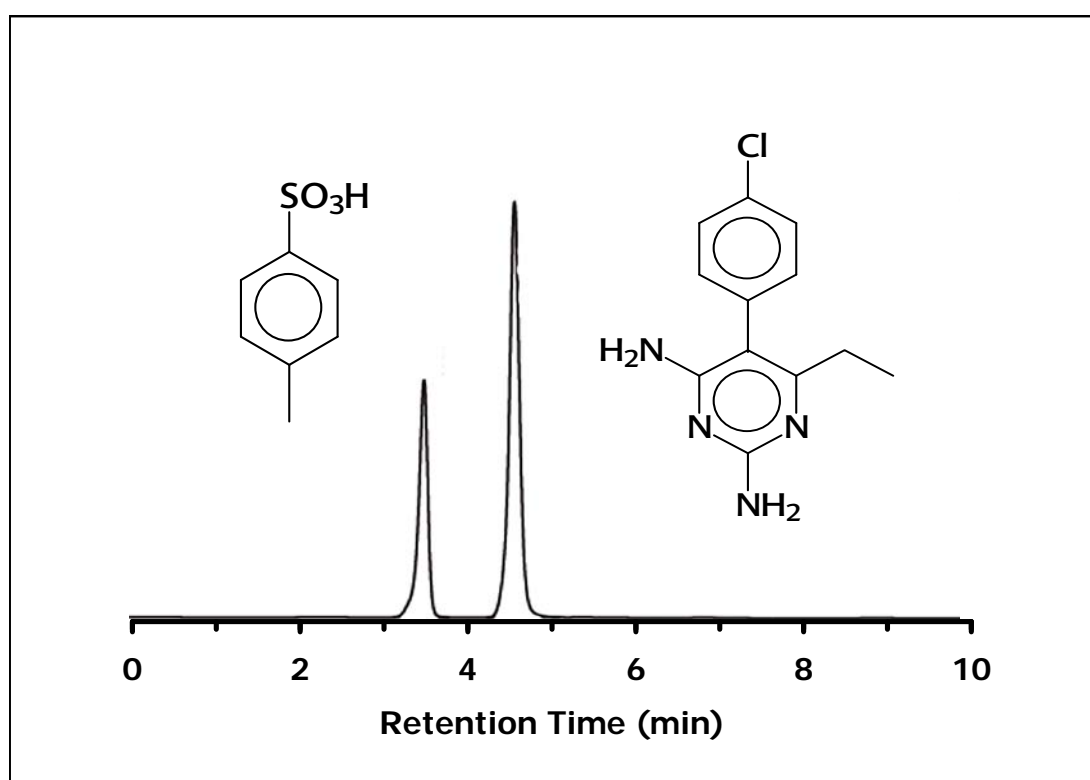


ZIC®-HILIC Separation of PTSA and Pyrimethamine

Chromatographic Conditions

Column: ZIC®-HILIC, PEEK 150 x 4.6 mm, 5 µm, 200 Å (P/N 1.50455.0001)
Injection: 1 µL of a 100 ppm solution of each diluted in mobile phase
Detection: UV @ 254 nm (UFS 1.0 V)
Column Temperature: Ambient
Flow Rate: 0.5 mL/min
Mobile Phase (v/v): 90%, Acetonitrile
10%, Ammonium Acetate 10 mM, pH 6.8
(total ionic strength: 1 mM)



Chromatographic Data

No.	Compound	Time (min)	Retention factor
	t_0 void volume	3,0	-
1	p-toluenesulfonic acid (LogP: 1.7)	3,5	0,2
2	Pyrimethamine (LogP: 2.7)	4,6	0,5

Data provided by Gora Sharangi, Merck Specialities Pvt. Ltd, India.
For more details, contact chromatography@merck.co.in