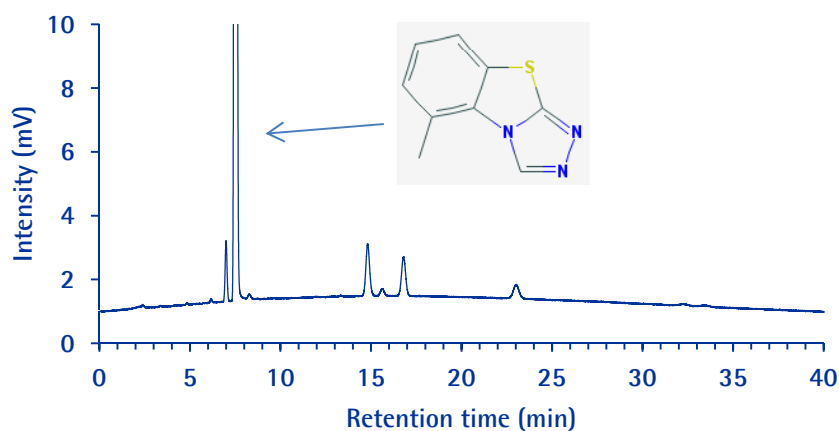


Tricyclazole and Related Substances

Purospher® STAR RP-18 endcapped

Chromatographic Conditions

Column:	Purospher® STAR RP-18 endcapped (5µm) Hibar® HR 250x4.6mm	1.51456.0001
Injection:	20 µL	
Detection:	UV 254 nm	
Cell:	10 µL	
Flow Rate:	1.0 mL/min	
Mobile Phase:	Dissolve 2.6 g of potassium dihydrogen phosphate in 1000 mL Milli-Q water. Filter through 0.45 µm filter paper. Mix buffer and acetonitrile 70:30 (v/v) and sonicate for 15 minutes.	
Temperature:	30 °C	
Diluent	Mobile phase	
Standard:	Weigh 10 mg Chlorotricyclazole in 100 mL volumetric flask. Dissolve in diluent and make up the volume with same solvent (Solution A). Weigh 10 mg Tricyclazole in another 100 mL volumetric flask. Add 5 mL of Solution A. Add diluent to dissolve and dilute to final volume with same solvent.	
Sample:	Weigh 10 mg of sample in 100 mL volumetric flask. Dissolve in diluent.	
Pressure Drop:	123 Bar (1784 psi)	



Chromatographic Data

No.	Compound	Time (min)	T _{USP}	Resolution
1	Impurity 1	7.0	1.1	0.0
2	Tricyclazole	7.5	1.1	2.6
3	Impurity 2	8.3	1.0	3.6
4	Impurity 3	14.8	1.1	21.7
5	Chlorotricyclazole	15.6	1.0	2.3
6	Impurity 4	16.8	1.0	3.3
7	Impurity 5	23.0	1.0	14.3