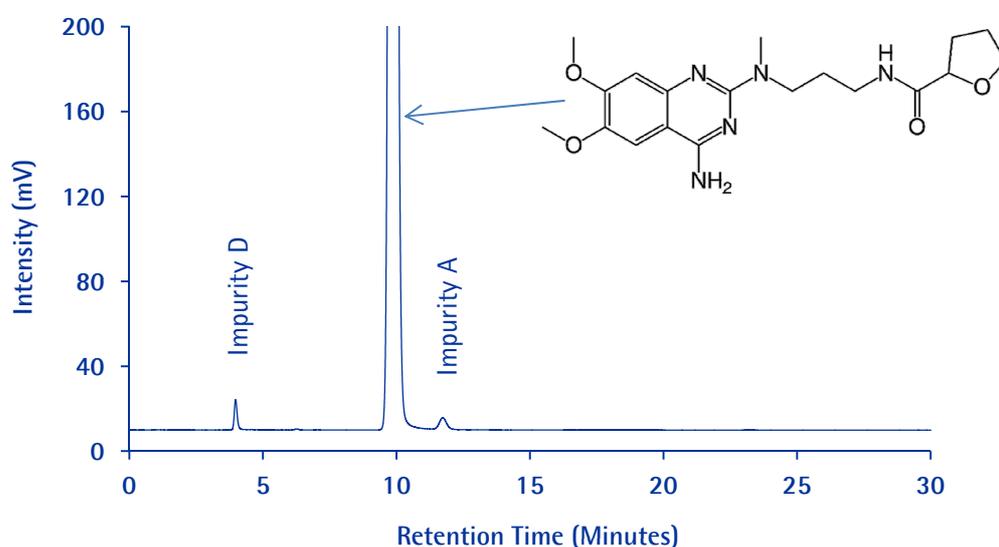


# Alfuzosin and Related Substances (USP)

## Purospher®STAR RP-18 endcapped

### Chromatographic Conditions

Column:	Purospher® STAR RP-18 endcapped (5µm) Hibar® RT 150x4.6 mm	1.51455.0001
Injection:	10 µL	
Detection:	UV 254 nm	
Cell:	10 µL	
Flow Rate:	1.5 mL/min	
Mobile Phase (v/v):	5 ml of perchloric acid in 900 mL Milli-Q water. Adjust pH to 3.5 with 2M NaOH. Diluter to 1000 mL with water. Mix buffer, acetonitrile & THF 80:20:1 (v/v)	
Temperature:	Ambient	
Diluent	Mobile phase	
Sample:	400 ppm (0.4 mg/mL) Alfuzosin RS in mobile phase	
Pressure Drop:	150 Bar (2175 psi)	



### Chromatographic Data

No	Compound	Time (min)	Resolution	Asymmetry (T <sub>USP</sub> )	RRT
1	Impurity D	4.0	-	1.2	0.4
2	Alfuzosin	9.9	-	1.1	1.0
3	Impurity A	11.7	4.1	1.1	1.2