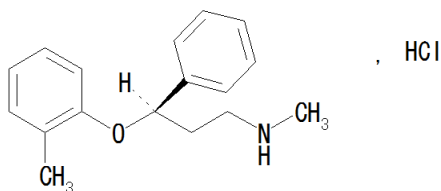


## Atomoxetine hydrochloride : Isomeric purity



Column	: CHIRALCEL® OD-H 0.46cmΦ × 25cmL
Mobile phase	: Diethylamine R / Trifluoroacetic acid R / 2-Propanol R / Heptane R = 1.5 / 2.0 / 150 / 846.5 (v / v / v / v)
Flow rate	: 1.0mL/min.
Injection volume	: 10μL
Column temperature	: 25°C
UV detection	: 273nm

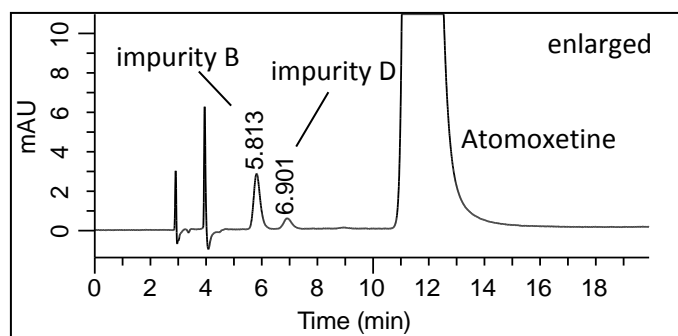
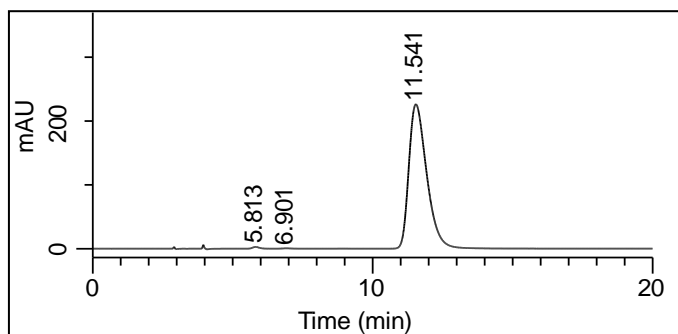
### System suitability

*Reference solution (a)*: Dissolve 3.5 mg of Atomoxetine impurity B CRS and 1 mg of Atomoxetine impurity D CRS in 5 mL of Anhydrous Ethanol R, sonicate until dissolution is complete and dilute to 20.0 mL with Heptane R.

*Reference solution (b)*: Dissolve 35.0 mg of the substance to be examined in 2.5 mL of Anhydrous Ethanol R. Add 1.0 mL of reference solution (a) and dilute to 10.0 mL with Heptane R.

Relative retention with reference to Atomoxetine (retention time = about 12 min):  
impurity B = about 0.5; impurity D = about 0.6.

### Reference solution (b)



	Requirement	Result
Resolution	Minimum 1.8 between the peaks due to Impurities B and D (reference solution (b))	2.25

For details of monograph, please check pharmacopoeia.