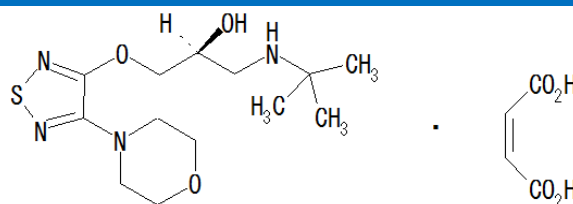


## Timolol maleate :Enantiomeric purity



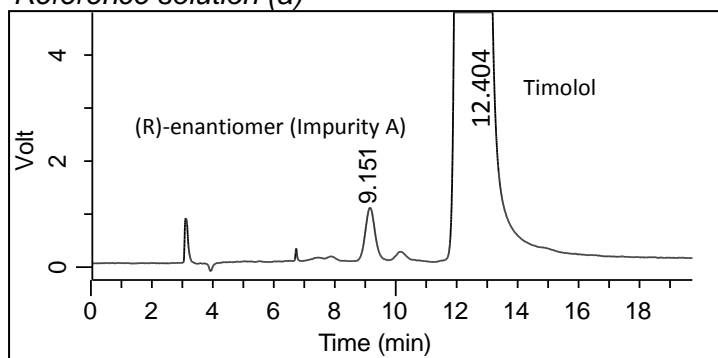
Column : CHIRALCEL® OD-H 0.46cmΦ × 25cmL  
 Mobile phase : Diethylamine R / 2-Propanol R / Hexane R = 2 / 40 / 960 (v / v / v)  
 Flow rate : 1.0mL/min.  
 Injection volume : 5μL  
 UV detection : 297nm

### System suitability

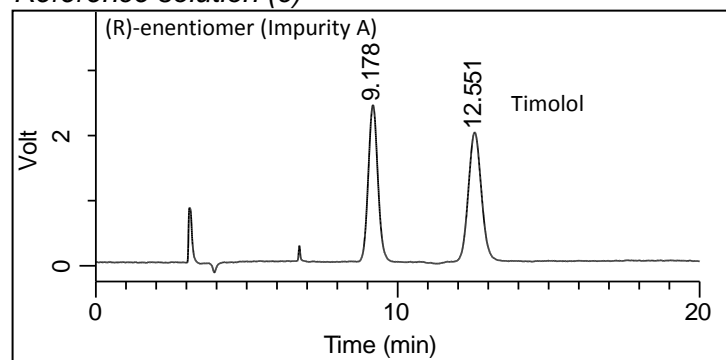
*Reference solution (a)*: Dissolve 30.0 mg of *Timolol maleate CRS* in the solvent mixture and dilute to 10 mL with the solvent mixture.

*Reference solution (c)*: Dilute 1 mL of reference solution (a) to 100 mL with the solvent mixture. Mix 1 mL of this solution with 1 mL of reference solution (b).

*Reference solution (a)*



*Reference solution (c)*



	Requirement	Result
Resolution	Minimum 4.0 between the peaks due to impurity A and the (S)-enantiomer (reference solution (c))	4.9
Retention time	The retention times of the principal peaks due to the (S)-enantiomer in the chromatograms obtained with the test solution and reference solution (a) are identical.	Identical

For details of monograph, please check pharmacopoeia.