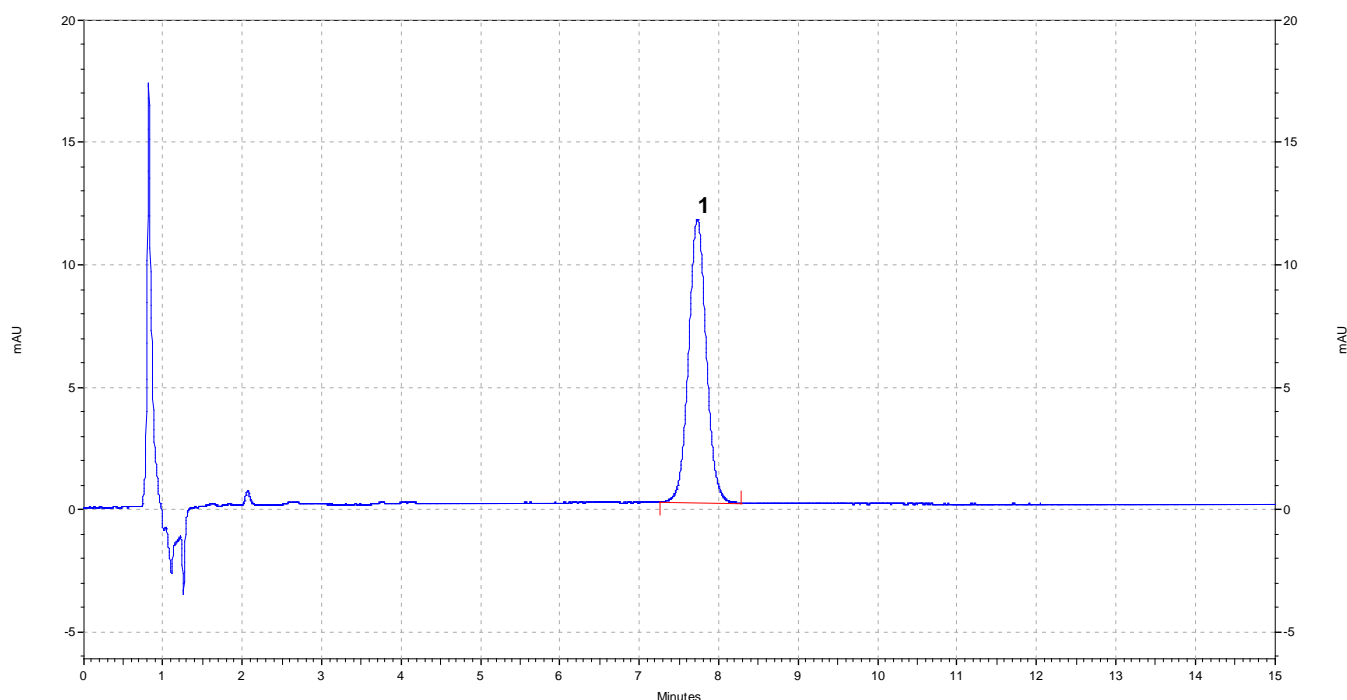




## Glimepiride Tablets – BP 2016

This chromatogram is provided for information only as an aid to analysts and intended as guidance for the interpretation and application of BP monographs.

Typical chromatogram for solution (1) in the Dissolution test for Glimepiride Tablets as published in BP 2016.



Peak ID: 1: Glimepiride

### Dissolution Parameters:

Apparatus : Paddle (Apparatus 2)  
Rotation Speed : 75 rpm  
Temperature : 37°C  
Dissolution Medium : 14.5 g potassium dihydrogen phosphate and 277.76 g sodium dihydrogen phosphate dihydrate in sufficient water to make 25 litres, pH adjusted to 7.8 with 10% v/v orthophosphoric acid.  
Volume : 900 mL  
Sampling Time : 45 minutes

### Chromatographic Conditions:

Column : LiChrospher RP18 (100 mm x 4.0 mm, 5µm)  
Method Ref. : Dissolution method for the Glimepiride Tablets monograph from BP 2016  
Mobile Phase : A mixture of 1 volume of a 0.1% w/v solution of sodium dihydrogen phosphate dihydrate and 1 volume of acetonitrile. pH was adjusted to 2.5 with orthophosphoric acid.  
Diluent : Dissolution medium  
Flow Rate : 1.0 mL/min  
Column Temp : 25°C  
Injection Volume : 50 µL  
Detection : 228 nm  
Auto sampler Temp : 12°C