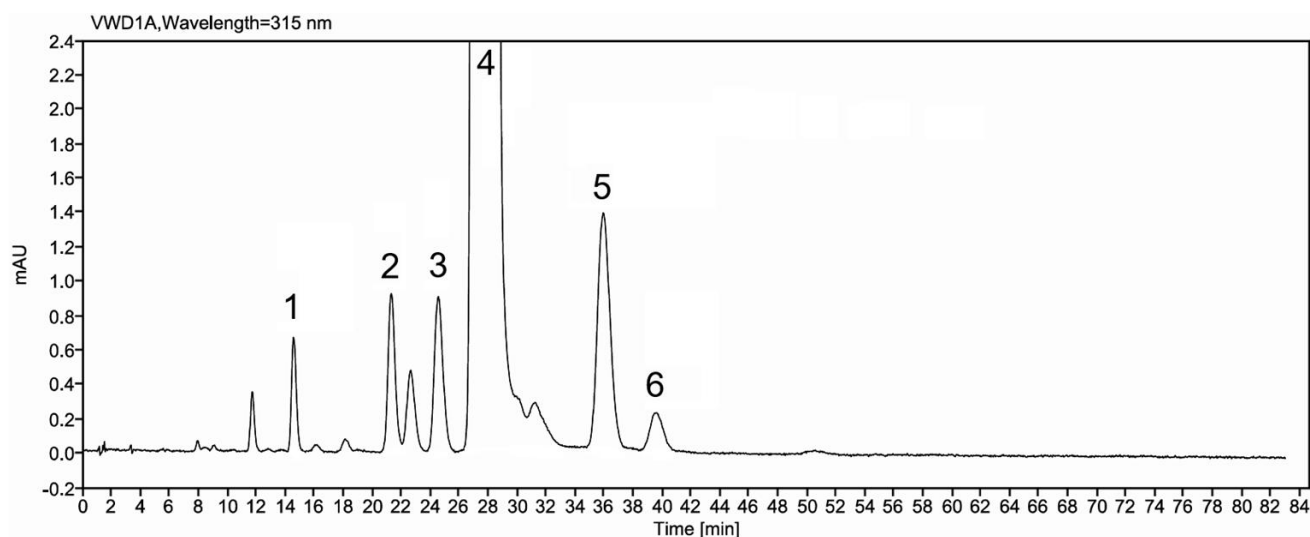




Marbofloxacin Injection – BP 2027

These chromatograms are provided for information only as an aid to analysts and are intended as guidance for the interpretation and application of BP monographs.

Typical chromatogram for solution (3) from the Related Substances test for Marbofloxacin Injection as published in BP 2027.

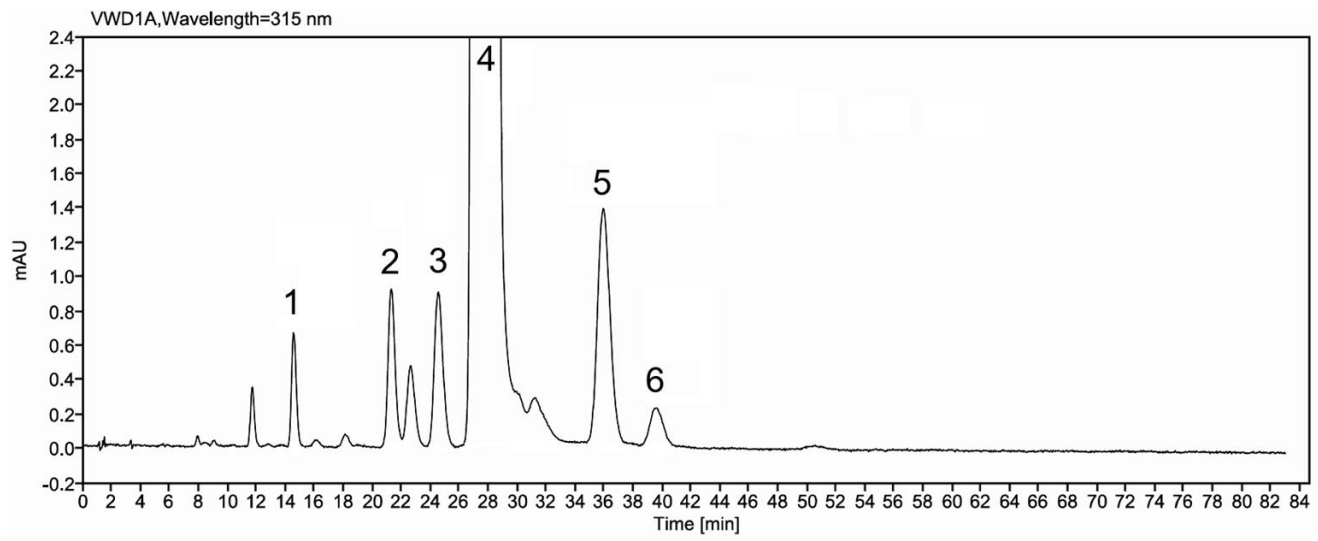


Peak ID: 1: Impurity B. 2: Impurity A. 3: Impurity C. 4: Marbofloxacin. 5: Impurity D. 6: Impurity E.

Column	XTerra RP18 C18 (150 mm x 4.6 mm, 3.5 µm)
Method Ref.	Related Substances for the Marbofloxacin Injection monograph from BP 2027
Buffer (Solution A)	0.27% w/v sodium dihydrogen orthophosphate and 0.35% w/v sodium octanesulfonate, adjusted to pH 2.5 with orthophosphoric acid
Mobile Phase	Glacial acetic acid: methanol: buffer (5:230,770 v/v/v)
Diluent (Solution B)	Methanol: water (23:77, v/v)
Flow rate	1.2 mL/min

Column Temp	40°C
Injection Volume	10 µL
Detection	315 nm

Typical chromatogram for solution (3) from the Assay test for Marbofloxacin Injection as published in BP 2027.



Peak ID: 1: Impurity B. 2: Impurity A. 3: Impurity C. 4: Marbofloxacin. 5: Impurity D. 6: Impurity E.

Column	XTerra RP18 C18 (150 mm x 4.6 mm, 3.5 µm)
Method Ref.	Related Substances for the Marbofloxacin Injection monograph from BP 2027
Buffer (Solution A)	0.27% w/v sodium dihydrogen orthophosphate and 0.35% w/v sodium octanesulfonate, adjusted to pH 2.5 with orthophosphoric acid
Mobile Phase	Glacial acetic acid: methanol: buffer (5:230,770 v/v/v)
Diluent (Solution B)	Methanol: water (23:77, v/v)
Flow rate	1.2 mL/min
Column Temp	40°C
Injection Volume	10 µL
Detection	315 nm