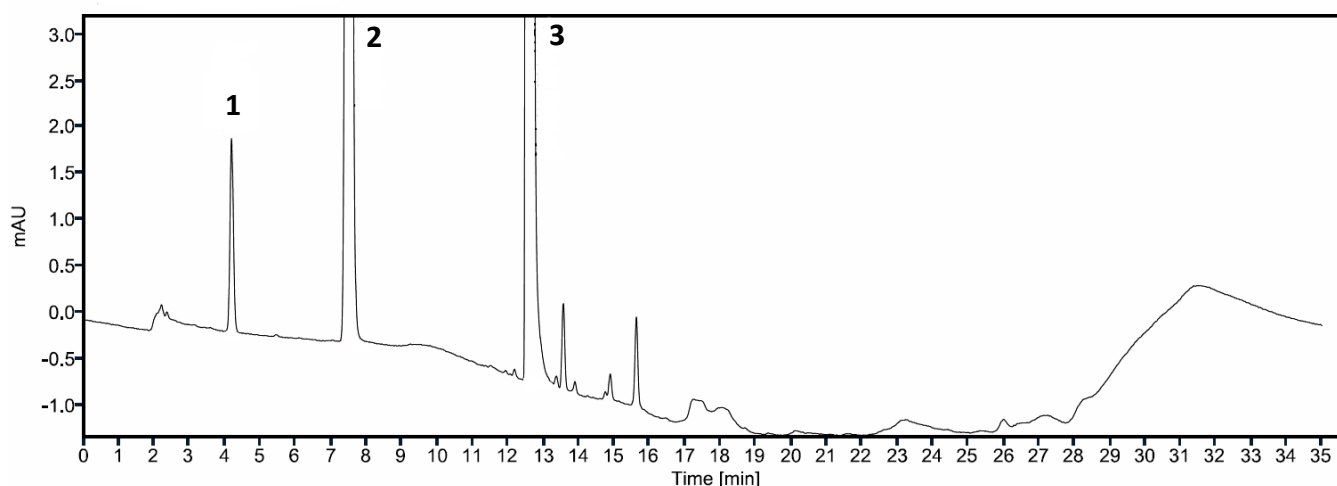




Mebeverine Prolonged-release Capsules – BP 2023

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.

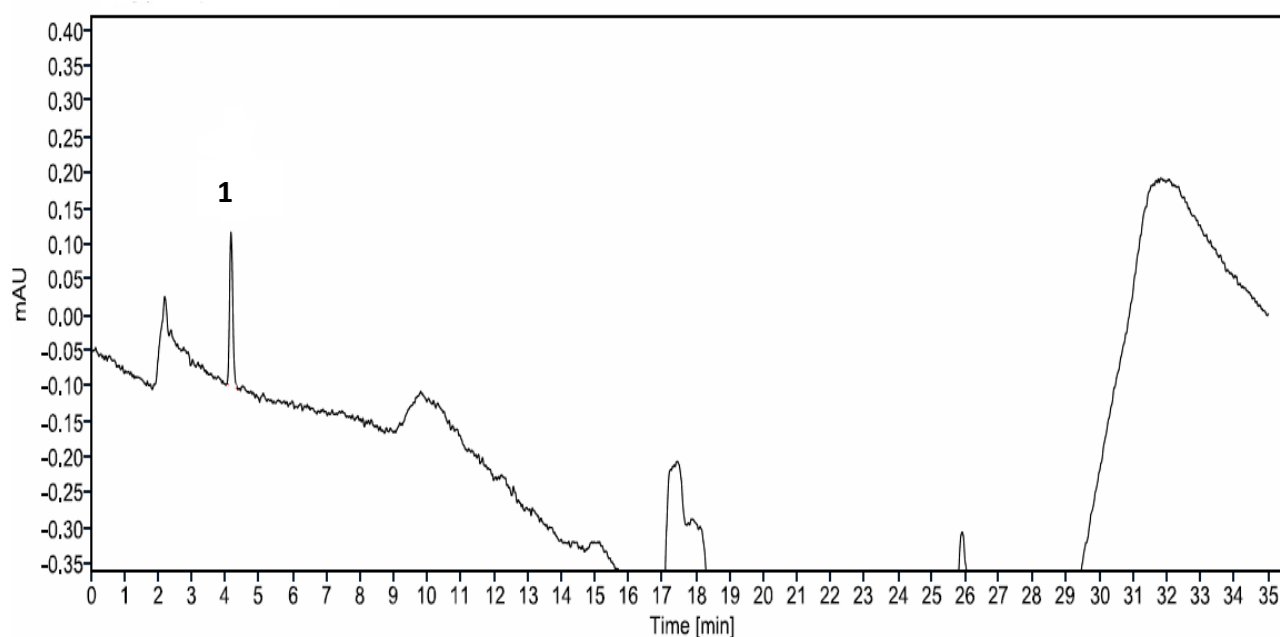
Typical chromatogram for solution (3) in the Related substances test for Mebeverine Prolonged-release Capsules as published in BP 2023.



Peak ID: 1: Impurity C. 2: Impurity D. 3: Mebeverine.

Column	Inertsil ODS3 C18 (250 mm x 4.6 mm, 5 µm)
Method Ref.	Related substances for the Mebeverine Tablets monograph from BP 2023
Mobile Phase A	1 mL of triethylamine mixed with 1000 mL of buffer, the pH of the mixture was adjusted to 3.0 with orthophosphoric acid
Mobile Phase B	Acetonitrile
Buffer	0.38% w/v ammonium acetate
Diluent	Acetonitrile : mobile phase A (30:70, v/v)
Flow rate	1.0 mL/min
Column Temp	25 °C
Injection Volume	10 µL
Detection	263 nm

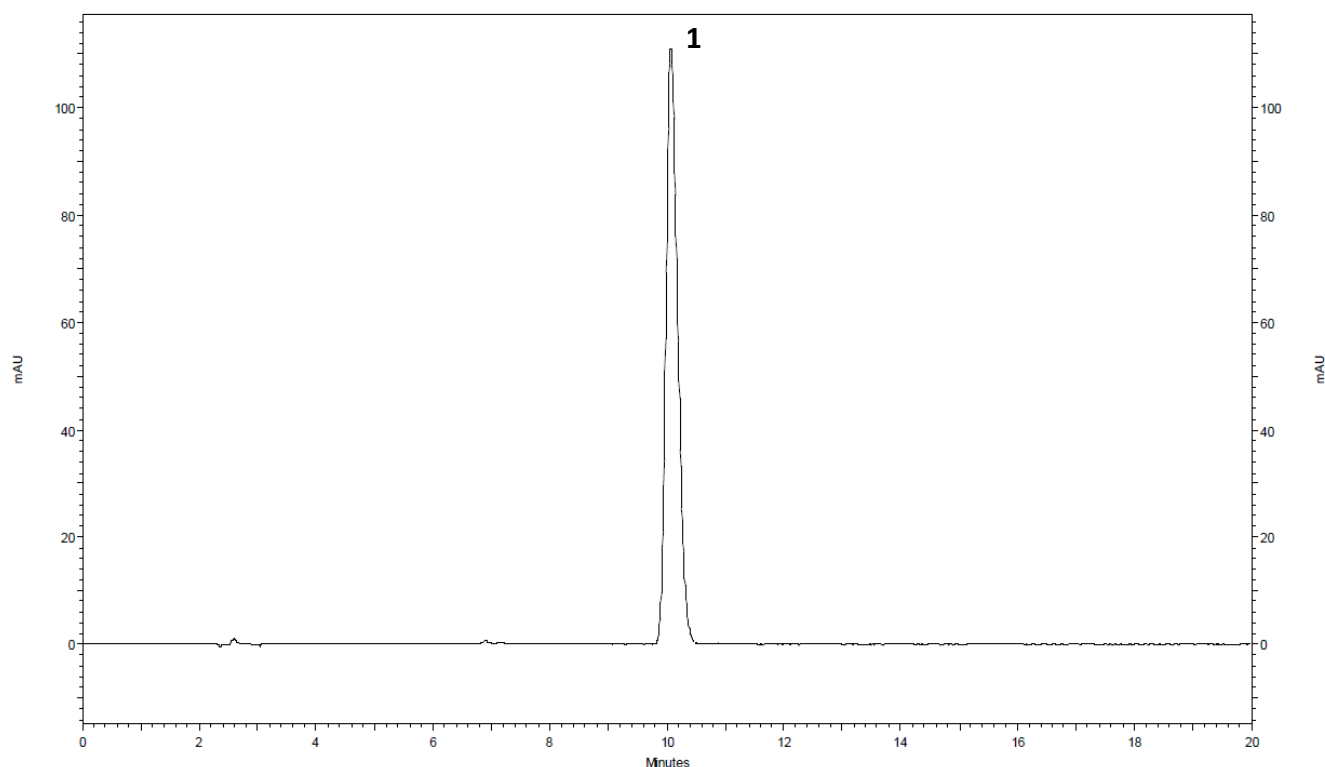
Typical chromatogram for solution (4) in the Related substances test for Mebeverine Prolonged-release Capsules as published in BP 2023.



Peak ID: 1: Impurity C

Column	Inertsil ODS3 C18 (250 mm x 4.6 mm, 5 µm)
Method Ref.	Related substances for the Mebeverine Tablets monograph from BP 2023
Mobile Phase A	1 mL of triethylamine mixed with 1000 mL of buffer, the pH of the mixture was adjusted to 3.0 with orthophosphoric acid
Mobile Phase B	Acetonitrile
Buffer	0.38% w/v ammonium acetate
Diluent	Acetonitrile : mobile phase A (30:70, v/v)
Flow rate	1.0 mL/min
Column Temp	25 °C
Injection Volume	10 µL
Detection	263 nm

Typical chromatogram for solution (2) in the Assay test for Mebeverine Prolonged-release Capsules as published in BP 2023.



Peak ID: 1: Mebeverine

Column	Inertsil ODS3 C18 (250 mm x 4.6 mm, 5 µm)
Method Ref.	Assay for the Mebeverine Tablets monograph from BP 2023
Mobile Phase	Acetonitrile : buffer (38:62, v/v)
Buffer	0.38% w/v ammonium acetate adjusted to pH 5.2 with glacial acetic acid
Diluent	Mobile phase
Flow rate	1.0 mL/min
Column Temp	25 °C
Injection Volume	20 µL
Detection	263 nm