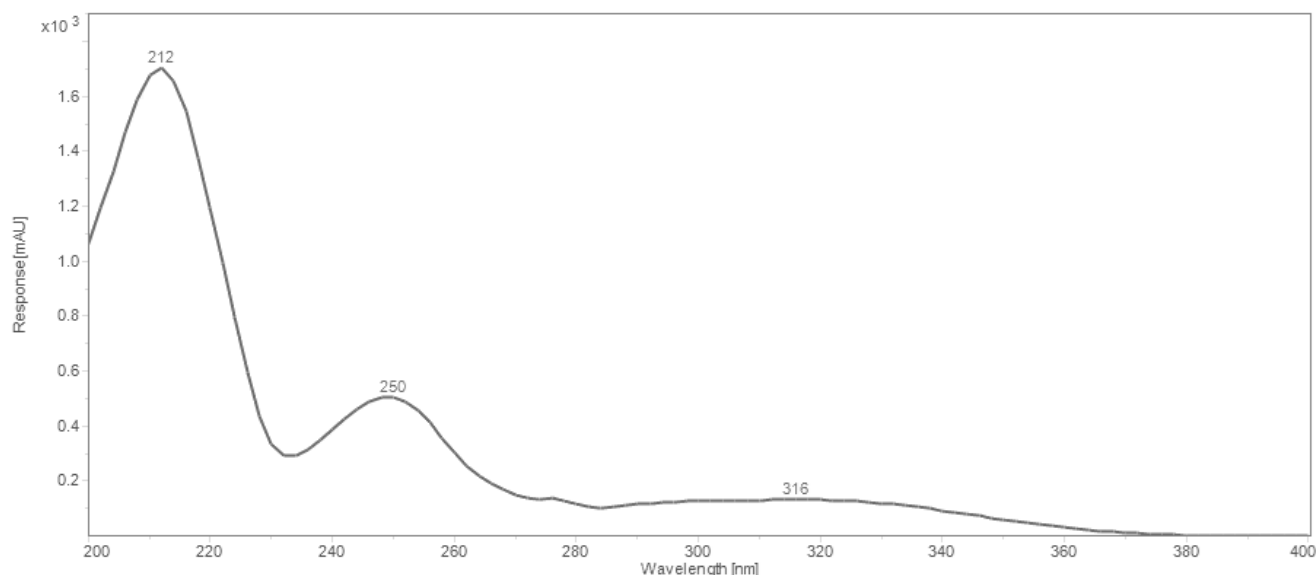




Trazodone Oral Solution – BP 2026

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.

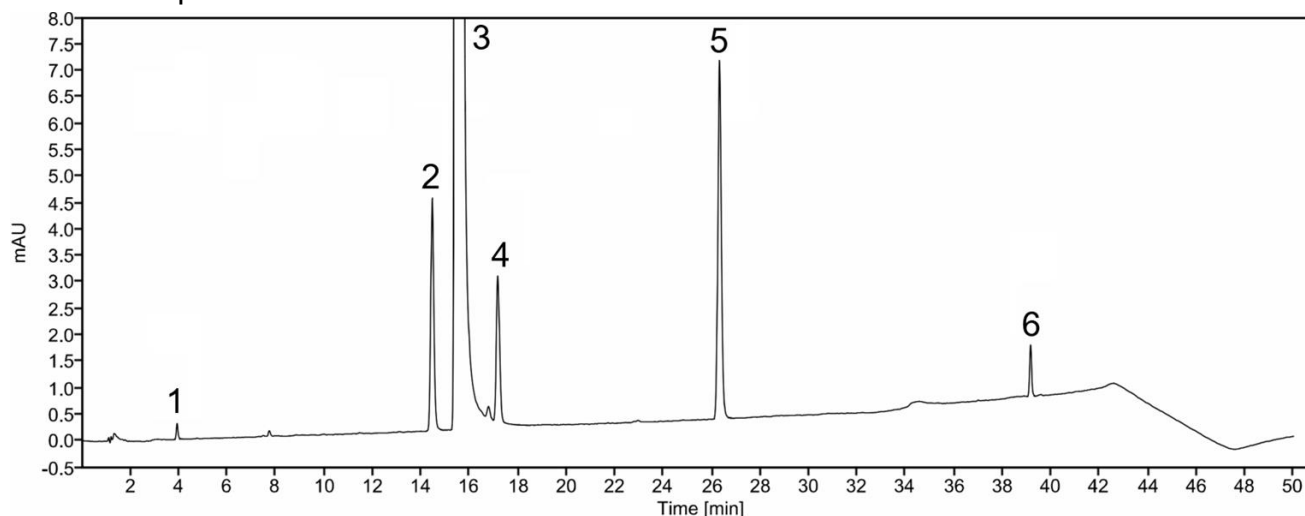
Typical spectrum for the Identification test for Trazodone Oral Solution as published in BP 2026.



Column	Poroshell C8 (150 mm x 4.6 mm, 2.7 µm)
Method Ref.	Identification for the Trazodone Oral Solution monograph from BP 2026
Buffer	0.02M diammonium hydrogen orthophosphate adjusted to pH 3.0 with orthophosphoric acid
Mobile Phase	Methanol: buffer (50:50, v/v)
Diluent	Mobile phase
Flow rate	0.5 mL/min
Column Temp	25°C
Injection Volume	10 µL

Detection	230 nm
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Typical chromatogram for solution (3) from the Related Substances test for Trazodone Oral Solution as published in BP 2026.

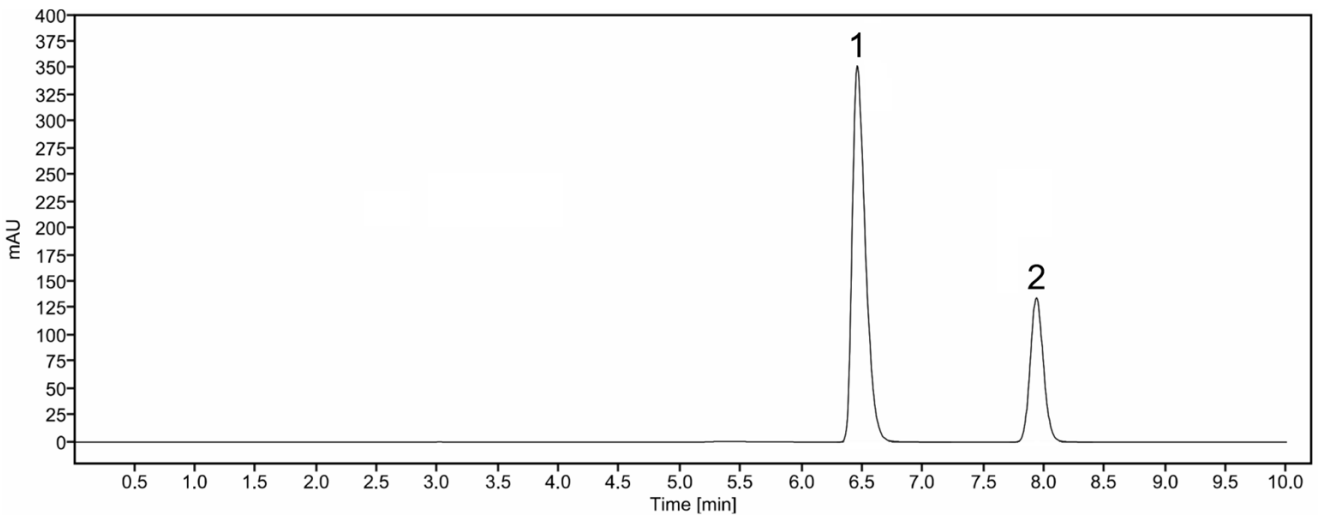


Peak ID: 1: Impurity A. 2: Impurity C. 3: Trazodone. 4: Impurity D. 5: Impurity E. 6: Impurity H.

Column	Accucore C18 (150 mm x 4.6 mm, 2.6 μm)			
Method Ref.	Related Substances for the Trazodone Oral Solution monograph from BP 2026			
Mobile Phase A	Diethylamine: water (0.4:1000, v/v)			
Mobile Phase B	Methanol			
Diluent (Solution A)	Mobile phase A: mobile phase B (1:1, v/v)			
Flow rate	1.0 mL/min			
Column Temp	40°C			
Injection Volume	10 μL			
Detection	254 nm			
Gradient				
Time (minutes)	Mobile phase A (% v/v)	Mobile phase B (% v/v)	Flow rate (mL/min)	Comment
0 – 30	50 → 30	50 → 70	1.0	linear gradient
30 – 40	30 → 15	70 → 85	1.0	linear gradient
40 – 45	15 → 50	85 → 50	1.0	linear gradient

45 – 50	50	50	1.0	re-equilibration
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Typical chromatogram for solution (3) from the Assay test for Trazodone Oral Solution as published in BP 2026.



Peak ID: 1: Trazodone. 2: Benzoic acid

Column	Poroshell C8 (150 mm x 4.6 mm, 2.7 µm)
Method Ref.	Assay for the Trazodone Oral Solution monograph from BP 2026
Buffer	0.02M diammonium hydrogen orthophosphate adjusted to pH 3.0 with orthophosphoric acid
Mobile Phase	Methanol: buffer (50:50, v/v)
Diluent	Mobile phase
Flow rate	0.5 mL/min
Column Temp	25°C
Injection Volume	10 µL
Detection	230 nm