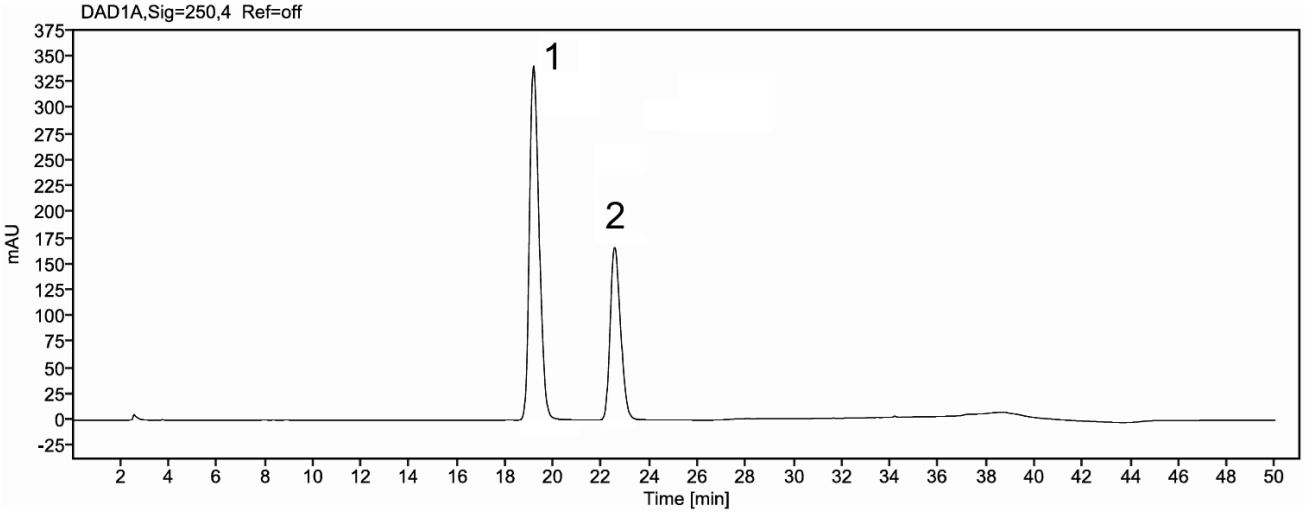
Ropinirole Tablets – BP 2027

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 Ropinirole Tablets as published in BP 2027.

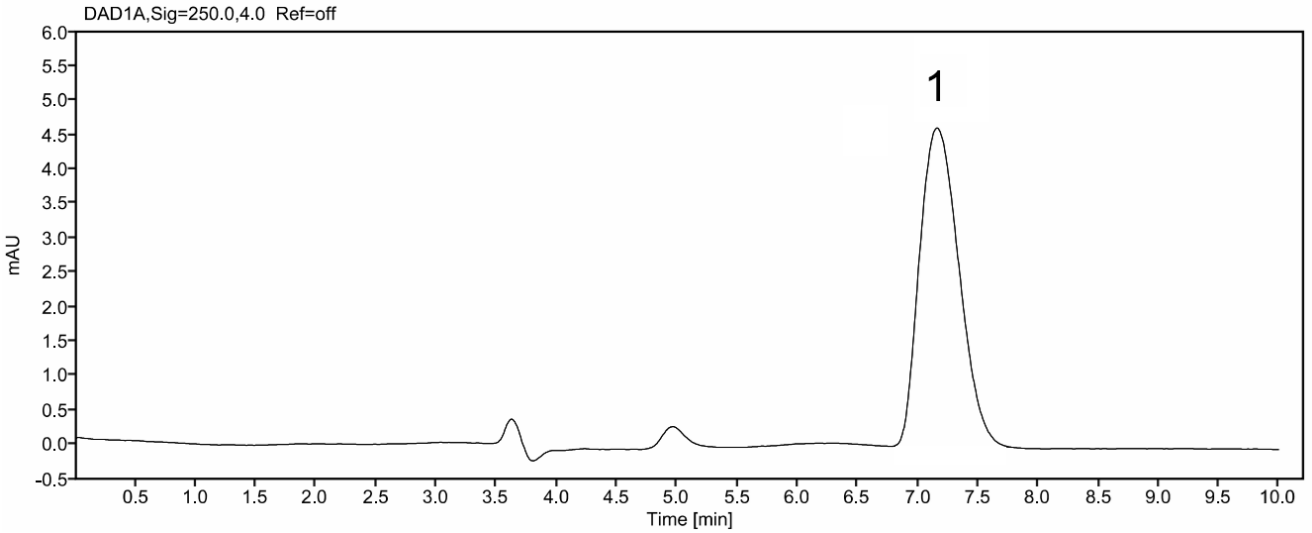


Peak ID: 1: Impurity A. 2: Ropinirole

Column	Kromasil C8 (250 mm x 4.6 mm, 5 µm)
Method Ref.	Related Substances for the Ropinirole Tablets monograph from BP 2027
Mobile Phase A	0.05% v/v trifluoracetic acid
Mobile Phase B	Methanol: acetonitrile (20:80, v/v)
Solution A	Mobile phase B: Mobile phase A (4:21, v/v)
Diluent	Solution A
Flow rate	1.0 mL/min
Column Temp	40°C

Injection Volume	100 µL		
Detection	250 nm		
Gradient			
Time (minutes)	**Mobile phase A (% v/v)**	**Mobile phase B (% v/v)**	**Comment**
0 – 23	84	16	isocratic
23 – 36	84 → 40	16 → 60	linear gradient
36 – 40	40 → 84	60 → 16	linear gradient
40 – 50	84	16	re-equilibration

Typical chromatogram for solution (2) from the Assay test for Ropinirole Tablets as published in BP 2027.



Peak ID: 1: Ropinirole

Column	Luna C8 (250 mm x 4.6 mm, 5 µm)
Method Ref.	Assay for the Ropinirole Tablets monograph from BP 2027
Mobile Phase	0.025M disodium hydrogen orthophosphate dihydrate adjusted to pH 7.0 with orthophosphoric acid: Methanol (25:75, v/v)
Diluent (Solution A)	0.1% v/v orthophosphoric acid: Acetonitrile (2:8, v/v)
Flow rate	1.0 mL/min
Column Temp	40°C
Injection Volume	100 µL
Detection	250 nm