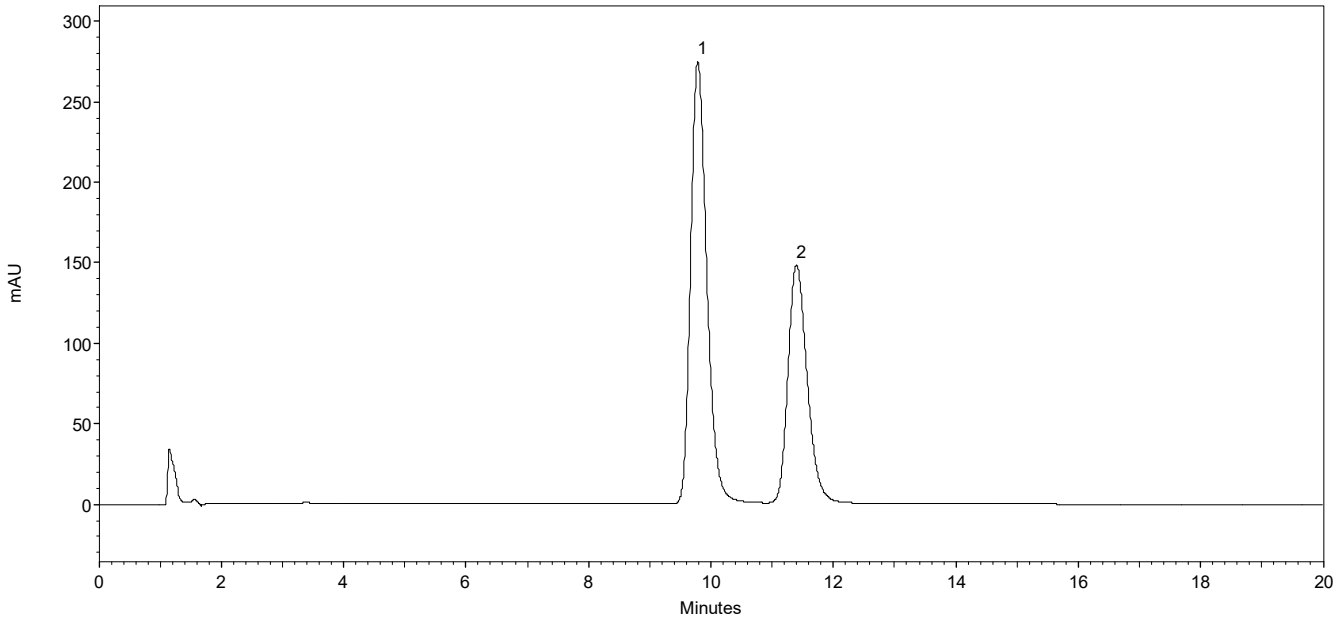
Amitriptyline Tablets – BP 2020

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.

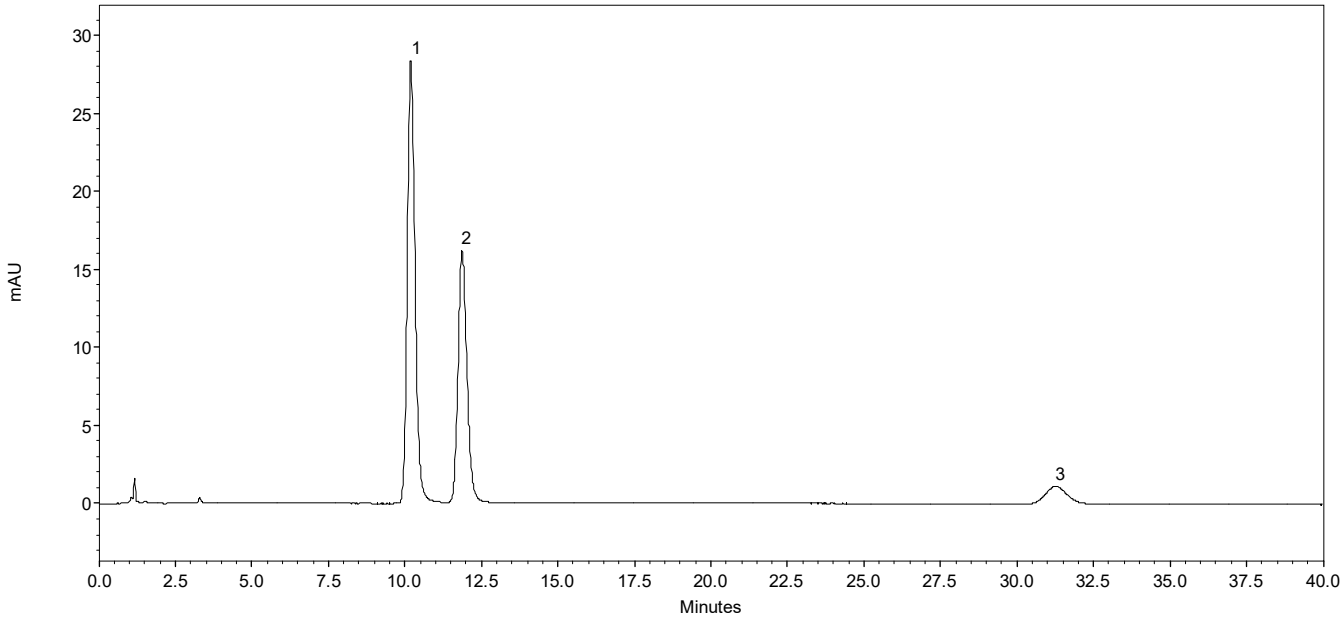
Typical chromatogram for solution (3) in the Dissolution test for Amitriptyline Tablets as published in BP 2020.



Peak ID: 1: Cyclobenzaprine; 2: Amitriptyline

Column	:	Waters, X-Terra RP18 (150 mm x 4.6 mm, 5 µm)
Method Ref.	:	Dissolution for the Amitriptyline Tablets from BP 2020
Mobile Phase	:	Acetonitrile: buffer (35: 65, v/v)
Buffer	:	0.523 % w/v dipotassium hydrogen orthophosphate, adjusted to pH 7.0 with orthophosphoric acid.
Diluent	:	0.1 M hydrochloric acid
Flow rate	:	1.2 mL/min
Column Temp	:	40 °C
Injection Volume	:	100 µL
Detection	:	220 nm

Typical chromatogram for solution (3) in the Related Substances test for Amitriptyline Tablets as published in BP 2020.



Peak ID: 1: Cyclobenzaprine; 2: Amitriptyline; 3: Dibenzosuberone

Column	:	Waters, X-Terra RP18 (150 mm x 4.6 mm, 5 µm)
Method Ref.	:	Related Substances for the Amitriptyline Tablets from BP 2020
Mobile Phase	:	Acetonitrile: buffer (35: 65, v/v)
Buffer	:	0.523 % w/v dipotassium hydrogen orthophosphate, adjusted to pH 7.0 with orthophosphoric acid
Diluent	:	Mobile phase
Flow rate	:	1.2 mL/min
Column Temp	:	40 °C
Injection Volume	:	10 µL
Detection	:	220 nm