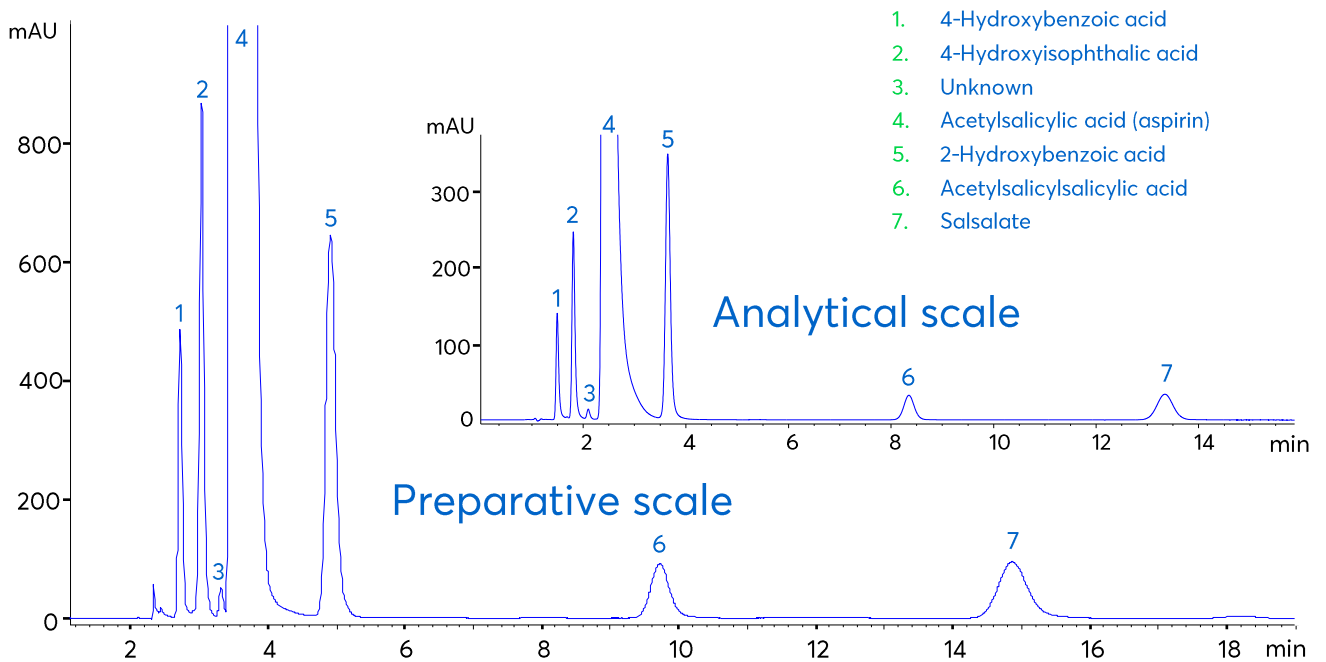


# Scale-up Separation of Aspirin and Related Substances: From Analytical to Preparative Scale



# Method Details

## ANALYTICAL CONDITIONS

Column:	Avantor® ACE® Excel® 5 C18
Particle Size:	5 µm
Dimensions:	100 x 4.6 mm
Mobile Phase:	0.1% H <sub>3</sub> PO <sub>4</sub> in MeCN/MeOH/H <sub>2</sub> O 3:1:6 (v/v/v)
Flow Rate:	1.0 mL/min
Injection Volume:	10 µL
Temperature:	22 °C
Detection:	UV, 214 nm
Instrument:	VWR Hitachi Chromaster

## PREPARATIVE CONDITIONS

Column:	Avantor® ACE® 10 C18
Particle Size:	10 µm
Dimensions:	100 x 21.2 mm
Mobile Phase:	0.1% H <sub>3</sub> PO <sub>4</sub> in MeCN/MeOH/H <sub>2</sub> O 3:1:6 (v/v/v)
Flow Rate:	21.2 mL/min
Injection Volume:	3 mL
Temperature:	22 °C
Detection:	UV, 214 nm
Instrument:	Knauer Azura PrepLC Premier

## ORDERING TABLE

Product	Details	Size	Part Number
Avantor® ACE® Excel® 5 C18	HPLC Column	100 x 4.6 mm	EXL-121-1046U
Avantor® ACE® 10 C18	Preparative Column	100 x 21.2 mm	ACE-131-1020
Acetonitrile	VWR CHROMANORM® super gradient grade	2.5 L	83639.320
Methanol	VWR CHROMANORM® gradient grade	2.5 L	20864.320
Water	VWR CHROMANORM® super gradient grade	2.5 L	83650.320
Orthophosphoric acid 85%	VWR NORMAPUR® analytical reagent	500 mL	20624.262