β-Blockers by LC-MS/MS

ACE®
Ultra-inert
UHPLC & HPLC Columns

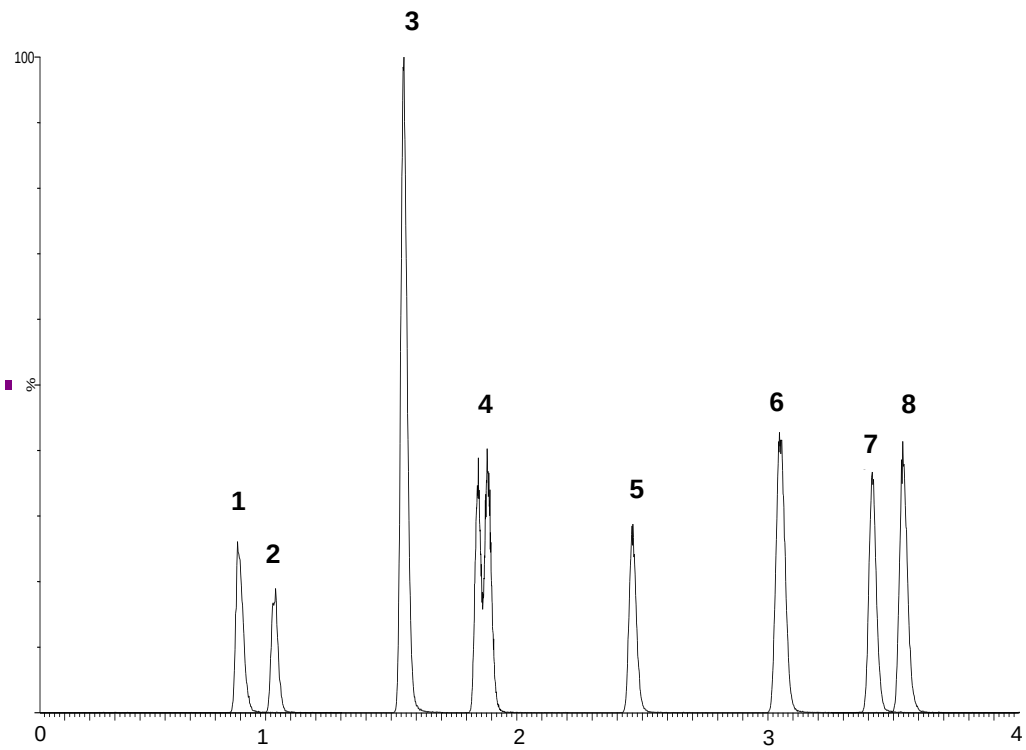
Application #AN2620

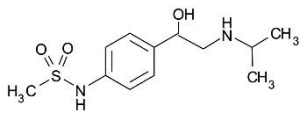
Conditions

Column:	ACE Excel 2 C18
Dimensions:	50 x 2.1 mm
Part Number:	EXL-101-0502U
Mobile Phase:	A: 2 mM ammonium acetate + 0.1% formic acid in H_2O
	B: 2 mM ammonium acetate + 0.1% formic acid in MeOH

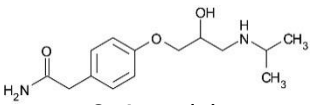
Time (mins)	%B
0.0	10
3.0	50
3.1	10

Flow Rate:	0.4 mL/min
Injection:	10 µL
Temperature:	40 °C
Detection:	MS/MS
	ESI in positive ion mode
Sample:	2.5 pg/µL

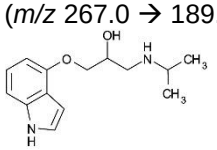




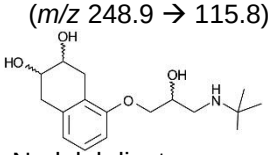
1. Sotalol
(*m/z* 272.9 → 212.8)



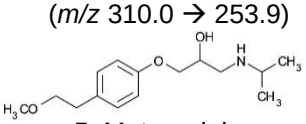
2. Atenolol
(*m/z* 267.0 → 189.8)



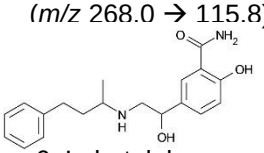
3. Pindolol
(*m/z* 248.9 → 115.8)



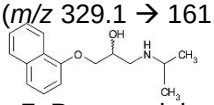
4. Nadolol diastereomers
(*m/z* 310.0 → 253.9)



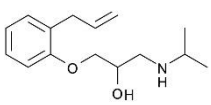
5. Metoprolol
(*m/z* 268.0 → 115.8)



6. Labetalol
(*m/z* 329.1 → 161.8)



7. Propranolol
(*m/z* 260.0 → 115.7)



8. Alprenolol
(*m/z* 250.0 → 115.8)

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