

Potential Genotoxic Impurities
Ultra II® Aromax



Peak List	M/Z*
1. ethyl benzenesulfonate	204
2. isopropyl toluenesulfonate	232
3. <i>n</i> -propyl toluenesulfonate	232
4. <i>n</i> -butyl toluenesulfonate	246

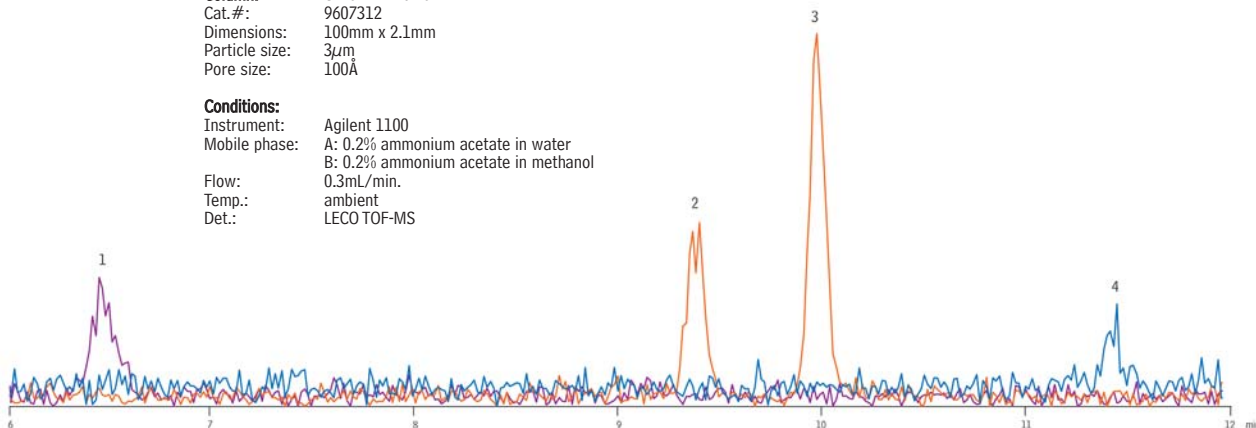
*All M/Z are [M+NH₄]⁺

Sample:
Inj.: 100µL
Conc.: 10ng/mL each PGI in 1mg/mL dorzolamide
Sample diluent: mobile phase

Column: Ultra II® Aromax
Cat.#: 9607312
Dimensions: 100mm x 2.1mm
Particle size: 3µm
Pore size: 100Å

Conditions:
Instrument: Agilent 1100
Mobile phase: A: 0.2% ammonium acetate in water
B: 0.2% ammonium acetate in methanol

Flow: 0.3mL/min.
Temp.: ambient
Det.: LECO TOF-MS



LC_PH0482B

Hydroxybenzoic Acids on Ultra Aqueous C18

1. 3,5-dihydroxybenzoic acid
2. 2,5-dihydroxybenzoic acid
3. 4-hydroxybenzoic acid
4. 3-hydroxybenzoic acid
5. 2,4-dihydroxybenzoic acid
6. benzoic acid
7. salicylic acid

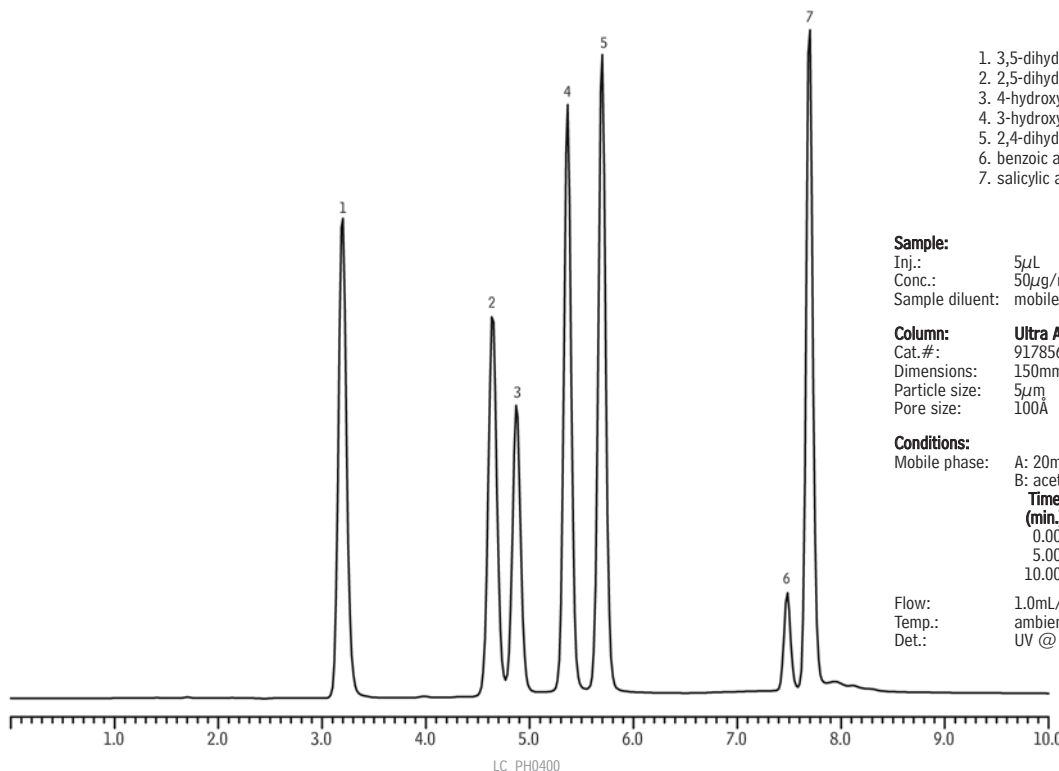
Sample:
Inj.: 5µL
Conc.: 50µg/mL each component
Sample diluent: mobile phase

Column: Ultra Aqueous C18
Cat.#: 9178565
Dimensions: 150mm x 4.6mm
Particle size: 5µm
Pore size: 100Å

Conditions:
Mobile phase: A: 20mM potassium phosphate (pH 2.5);
B: acetonitrile

Time (min.)	%B
0.00	20
5.00	50
10.00	50

Flow: 1.0mL/min.
Temp.: ambient
Det.: UV @ 210nm



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