

CoreFocus Report

No.599

LC

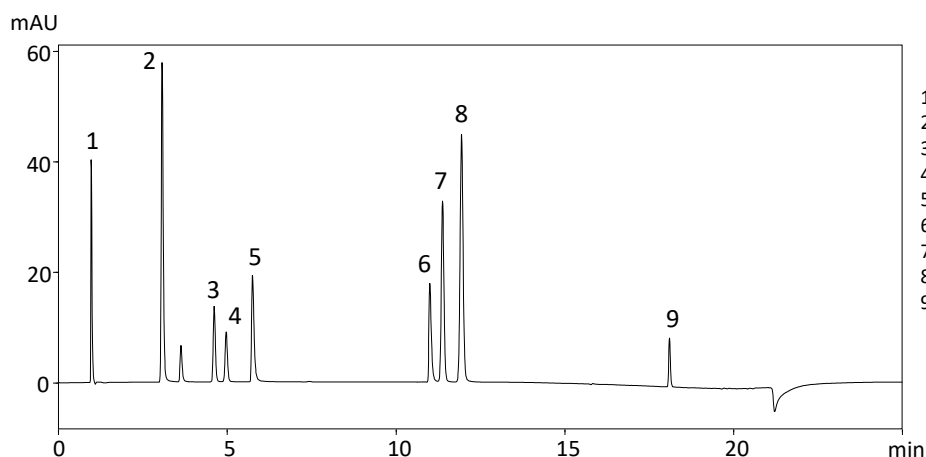
Reversed-phase

Shim-pack™ Series

Shim-pack NovaCore C18-HB

Analysis of acidic/neutral/basic compounds under acidic condition

Keywords: acidic compound, neural compound, basic compound



1. 4-Pyridinecarboxylic acid (100 mg/L^{*1})
2. Quinidine (100 mg/L)
3. Benzyl alcohol (1000 mg/L)
4. Phenol (200 mg/L)
5. Triprolidine (100 mg/L^{*2})
6. Nortriptyline (100 mg/L^{*2})
7. 3-Methyl-4-nitrobenzoic acid (100 mg/L)
8. 5-Methylsalicylaldehyde (100 mg/L)
9. Hexanophenone (100 mg/L)

System	: Nexera™ X3
Column	: Shim-pack NovaCore C18-HB, 150 mm x 4.6 mm I.D., 5 μm ^{*3}
Mobile phases	: A: 0.1% formic acid in water B: 0.1% formic acid in acetonitrile
Flow rate	: 1.5 mL/min
Time program	: 5% (0 min) → 30% (12 min) → 80% (20 min) → 5% (20-25 min)
Sample solvent	: Acetonitrile/water (v/v) = 50/50
Column oven temp.	: Ambient
Injection vol.	: 1 μL
Detection	: 254 nm (SPD-40, STD cell)

1*: 100 mg/L as sodium salt
2*: 100 mg/L as hydrochloride salt
3*: P/N : 227-32903-11

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