

HPLC Application

ID No.: 23036

Cold medicine compounds on Kinetex 2.6 μm EVO C18

Column: Kinetex[®] 2.6μm EVO C18 100 Å, LC Column 100 x 4.6 mm, Ea

Dimensions: 100 x 4.6 mm ID

Order No: 00D-4725-E0

Elution Type: Gradient

Eluent A: 0.1% TFA in Water

Eluent B: 0.1% TFA in ACN

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	98	2
	2	6	70	30
	3	11	0	100

Flow Rate: 1.25 mL/min

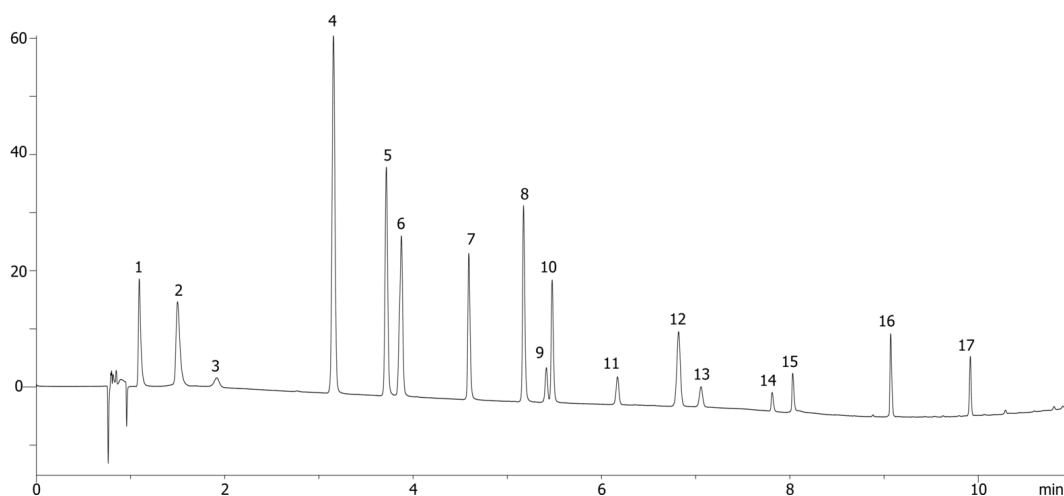
Col. Temp.: ambient

Detection: UV-Vis Abs.-Variable Wave.(UV) @ 254 nm (ambient)

Analyst Note: Forced degradation protocol:

Reconstitute 1 mg of cefaclor neat standard with 1.0 mL of 1 M HCl. Heat the solution at 60 °C for 6 hours then neutralize with 1.0 mL of 1 M NaOH. Refrigerate until ready to inject.

23036



Products used in this application:



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ANALYTES:

- 1 Maleic acid
- 2 Fumaric acid
- 3 Phenylephrine
- 4 Acetaminophen
- 5 Pheniramine
- 6 Doxylamine
- 7 Pyrilamine
- 8 Chlorpheniramine
- 9 Guaifenesin
- 10 Brompheniramine
- 11 Acetylsalicylic acid
- 12 4-Nitrophenol
- 13 Impurity
- 14 Dextromethorphan
- 15 Diphenhydramine
- 16 Clemastine
- 17 Ibuprofen

