# **HPLC Application** ID No.: **23036**



#### Cold medicine compounds on Kinetex 2.6 µm EVO C18

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

100 x 4.6 mm ID **Dimensions:** Order No: 00D-4725-E0 **Elution Type:** Gradient

Eluent A: 0.1% TFA in Water 0.1% TFA in ACN Eluent B:

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

Flow Rate: 1.25 mL/min Col. Temp.: ambient

Electrospray Mass Spec (ESMS) @ 0.000000000 (ambient) **Detection:** 

Forced degradation protocol: **Analyst Note:** 

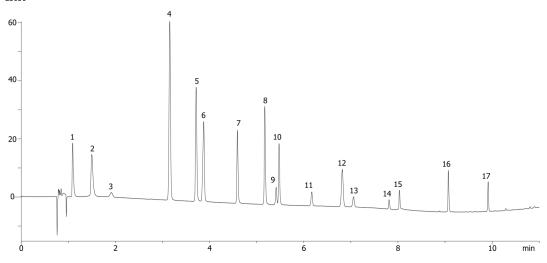
Reconstitute 1 mg of cefaclor neat standard with 1.0 mL of 1 M HCl. Heat the solution at 60 °C for 6 hours then neutralize with 1.0 mL of 1 M NaOH. Pefrigerate until ready to inject

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Products used in this application:





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#### **ANALYTES:**

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