

# HPLC Application

ID No.: 16772

## Isocratic Separation of a Cold Mix on Gemini C18 (50% MeOH)

**Column:** Gemini<sup>®</sup> 5  $\mu$ m C18 110  $\text{\AA}$ , LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

**Order No:** 00F-4435-E0

**Elution Type:** Isocratic

**Eluent A:** 10 mM Phosphate Buffer, pH 5.0

**Eluent B:** Methanol

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	20	50	50

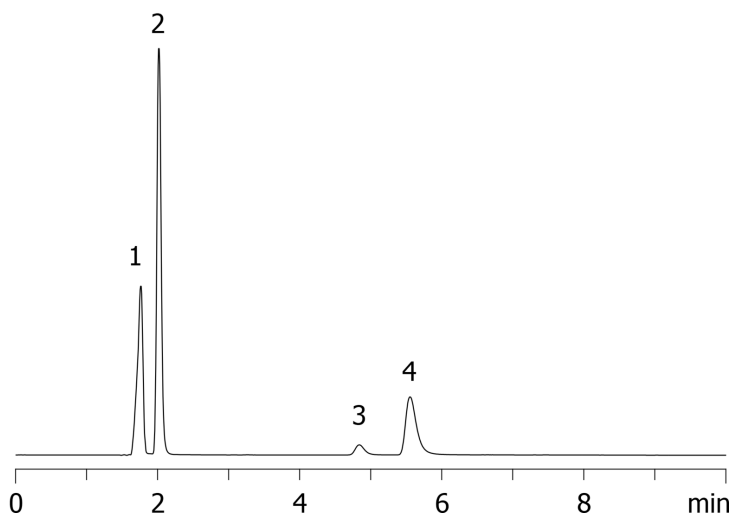
**Flow Rate:** 1 mL/min

**Col. Temp.:** ambient

**Detection:** UV-Vis Abs.-Diode Array (PDA) @ 280 nm (ambient)

**Analyst Note:** Isocratic separation of four analytes in cold remedy on Gemini C18: Phenylephrine, Acetaminophen, Chlorpheniramine and Dextromethorphan and

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### ANALYTES:

- 1** Phenylephrine  
Retention Time: 1.761 min
- 2** Acetaminophen  
Retention Time: 2.017 min
- 3** Chlorpheniramine  
Retention Time: 4.837 min
- 4** Dextromethorphan  
Retention Time: 5.553 min



Products used in this application:

