

# HPLC Application

ID No.: 23037

## Doxylamine impurity profile on Kinetex 2.6 µm EVO C18

**Column:** Kinetex® 2.6µm EVO C18 100 Å, LC Column 50 x 2.1 mm, Ea

**Dimensions:** 50 x 2.1 mm ID

**Order No:** 00B-4725-AN

**Elution Type:** Gradient

**Eluent A:** 20 mM ammonium bicarbonate pH 10.0

**Eluent B:** Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	95	5
	2	5	5	95

**Flow Rate:** 0.7 mL/min

**Col. Temp.:** ambient

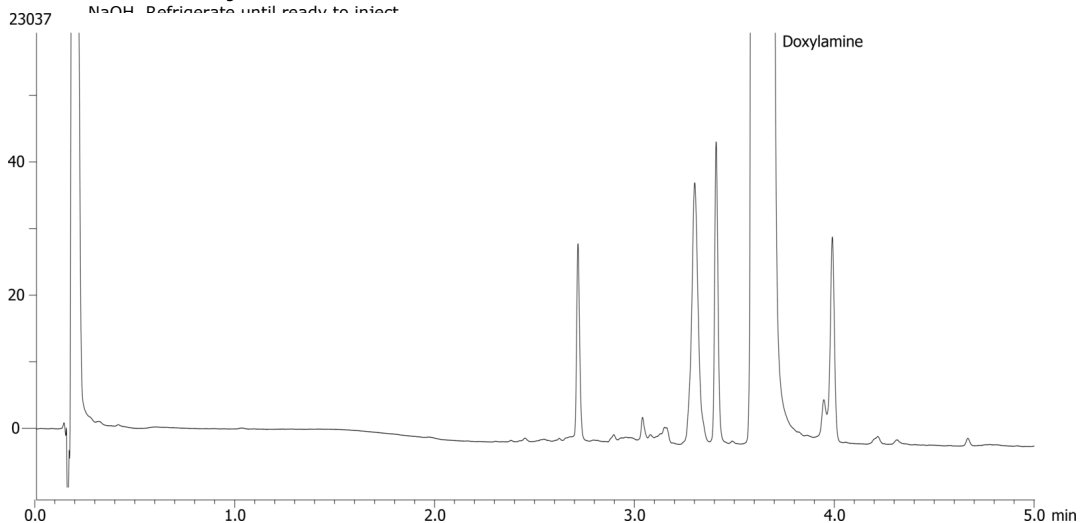
**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 254 nm (ambient)

**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.



Products used in this application:



### ANALYTES:

- 1 Doxylamine

