

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

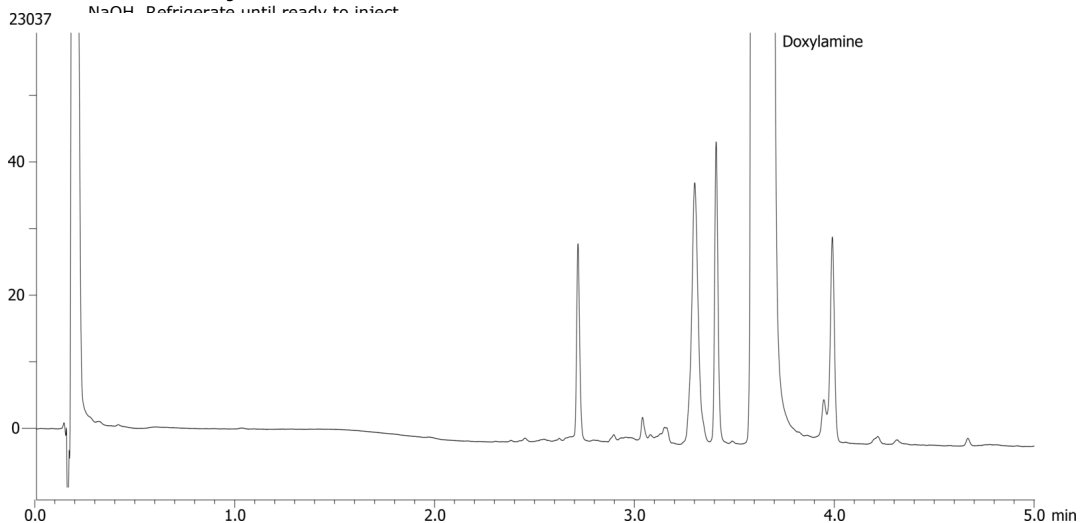
Detection: UV-Vis Abs.-Variable Wave.(UV) @ 254 nm (ambient)

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

