HPLC Application

ID No.: **23037**

Doxylamine impurity profile on Kinetex 2.6 µm EVO C18

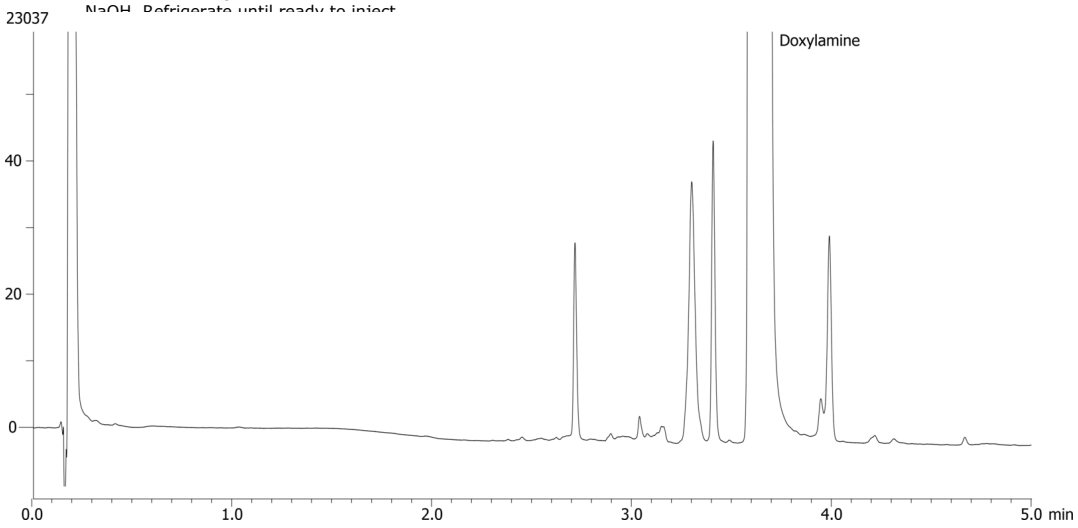
Column: Kinetex® 2.6µm EVO C18 100 Å, LC Column 50 x 2.1 mm, Ea
Dimensions: 50 x 2.1 mm ID
Order No: 00B-4725-AN
Elution Type: Gradient
Eluent A: 20 mM ammonium bicarbonate pH 10.0
Eluent B: Acetonitrile

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 ºC for 6 hours then neutralize with 1.0 mL of 1 M NaOH. Refrigerate until ready to inject.



Products used in this application:

KINETEX®

ANALYTES:

1 Doxylamine