

## Neonicotinoids using Kinetex 5u Biphenyl 50x2.1mm

**Column:** Kinetex® 5 µm Biphenyl 100 Å LC Column 50 x 2.1 mm, Ea

**Dimensions:** 50 x 2.1 mm ID

**Order No:** 00B-4627-AN

**Elution Type:** Gradient

**Eluent A:** Water with 0.1% Formic acid

**Eluent B:** Acetonitrile with 0.1% Formic acid

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	95	5
	2	3	30	70

**Flow Rate:** 0.6 mL/min

**Col. Temp.:** 40 °C

**Detection:** Tandem Mass Spec (MS-MS) @ (ambient)

**Detector Info:**

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3.0e5

2.8e5

2.6e5

2.4e5

2.2e5

2.0e5

1.8e5

1.6e5

1.4e5

1.2e5

1.0e5

8.0e4

6.0e4

4.0e4

2.0e4

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Products used in this application:



### ANALYTES:

- 1** Dinotefuran  
Retention Time: 0.96 min
- 2** Nitenpyram  
Retention Time: 1.23 min
- 3** Thiamethoxam  
Retention Time: 1.51 min
- 4** Clothianidin  
Retention Time: 1.52 min
- 5** Acetamiprid  
Retention Time: 1.57 min
- 6** Thiacloprid  
Retention Time: 1.82 min
- 7** Imidacloprid  
Retention Time: 2.03 min

