

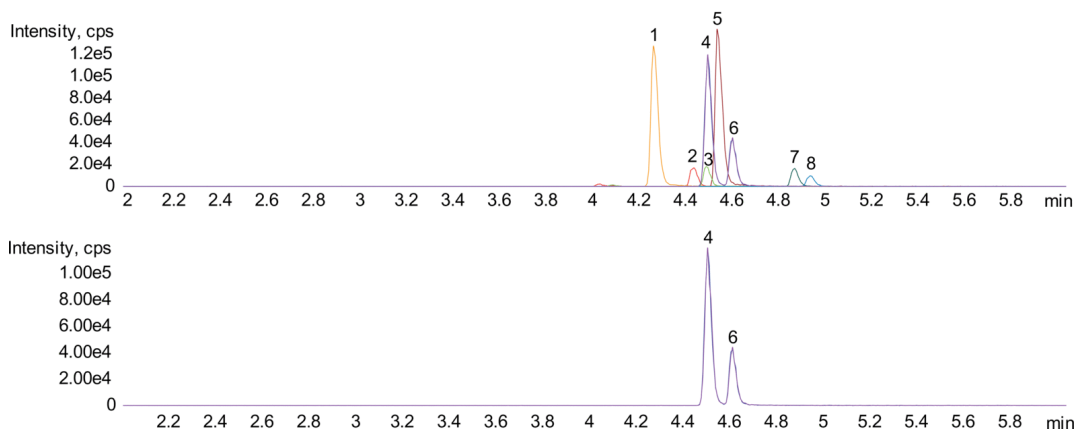
**Tricyclic Antidepressant on Kinetex XB-18 by LC/MS/MS****Column:** Kinetex® 2.6 µm XB-C18 100 Å, LC Column 50 x 2.1 mm, Ea**Dimensions:** 50 x 2.1 mm ID**Order No:** 00B-4496-AN**Elution Type:** Gradient**Eluent A:** 0.1% Aq Formic Acid**Eluent B:** 100% Methanol

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
|                   | 1        | 0          | 85    | 15    |
|                   | 2        | 3          | 40    | 60    |
|                   | 3        | 4          | 40    | 60    |
|                   | 4        | 4.1        | 10    | 90    |
|                   | 5        | 5          | 10    | 90    |
|                   | 6        | 5.1        | 85    | 15    |

**Flow Rate:** 0.4 mL/min**Col. Temp.:** ambient**Detection:** Mass Spectrometer (MS) @ amu (ambient)**Detector Info:** <a target="\_blank"

href="https://sciex.com/products/mass-spectrometers?utm\_campaign=2019%20application%20search&amp;utm\_source=phenomenex&amp;utm\_medium=referral"&gt;SCIEX&lt;

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**Products used in this application:****ANALYTES:****1** Amoxapine

Retention Time: 4.27 min

**2** Imipramine

Retention Time: 4.44 min

**3** Desipramine

Retention Time: 4.5 min

**4** Protriptyline

Retention Time: 4.5 min

**5** Amitriptyline

Retention Time: 4.54 min

**6** Nortriptyline

Retention Time: 4.61 min

**7** Clomipramine

Retention Time: 4.87 min

**8** Desmethyl clomipramine

Retention Time: 4.94 min

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