HPLC Application ID No.: **25512**



Imipramine and Amitriptyline Loading on Kinetex 2.6µm PS C18 50x4.6mm using Waters ACQUITY I Class UPLC

Kinetex® 2.6 µm PS C18 100 Å, LC Column 50 x 4.6 mm, Ea

50 x 4.6 mm ID **Dimensions:** Order No: 00B-4780-E0 **Elution Type:** Gradient Eluent A: Methanol

0.1% Formic Acid in ACN Eluent B:

| Gradient | Step No. | Time (min) | Pct A | Pct B |
|----------|----------|------------|-------|-------|
| Profile: | 1 | 0 | 75 | 25 |
| | 2 | 2 | 65 | 35 |
| | 3 | 3 | 5 | 95 |
| | 4 | 3.1 | 75 | 25 |
| | 5 | 5 | 75 | 25 |



Products used in this application:

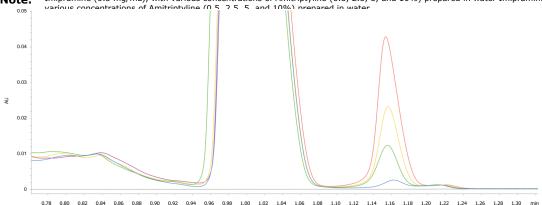


1.85 mL/min Flow Rate:

Col. Temp.: 30 °C

LC/UV (DAD, PDA) @ 254.0000000000 (30 °C) **Detection:**

Imipramine (0.5 mg/mL), with various concentrations of Amitriptyline (0.5, 2.5, 5, and 10%) prepared in water Imipramine (0.5 mg/mL), with **Analyst Note:**



ANALYTES:

- Imipramine
- Amitriptyline

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