## **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:

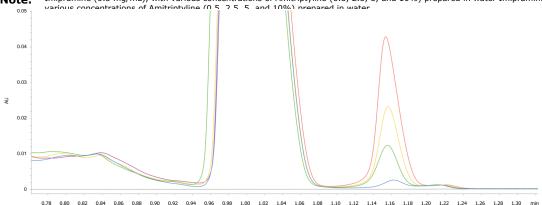


Flow Rate: 1.85 mL/min

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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