

UHPLC Application

ID No.: 18251

Tricyclic Antidepressants on Kinetex 2.6 μ m C18 50 x 4.6 mm ID on Agilent 1100 (system optimization)

Column: Kinetex[®] 2.6 μ m C18 100 Å, LC Column 50 x 4.6 mm, Ea

Dimensions: 50 x 4.6 mm ID

Order No: 00B-4462-E0

Elution Type: Isocratic

Eluent A: 20 mM Potassium Phosphate pH 7.0

Eluent B: 50:50 MeOH and ACN

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	48	52

Flow Rate: 2.9 mL/min

Col. Temp.: 40 °C

Detection: UV-Vis Abs.-Variable Wave.(UV) @ 254 nm (ambient)

Detector Info: with 0.17mm ID green capillaries and needle seat, standard flow cell, detector rate @ 0.1 s
280 bar

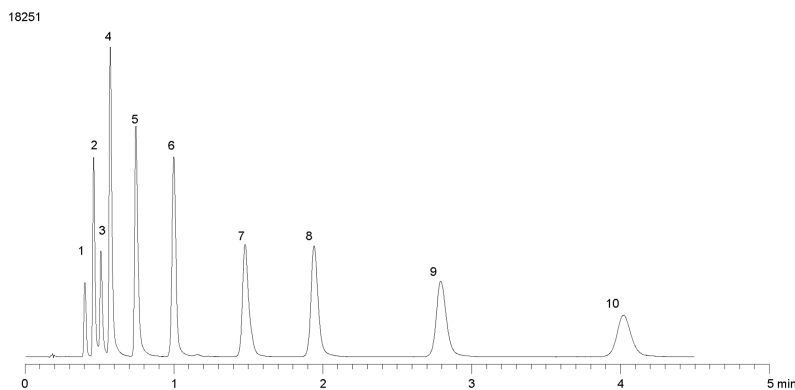
Analyst Note: SecurityGuard[™] ULTRA Guard Cartridge System extends column lifetime.

- SecurityGuard ULTRA Cartridges, UHPLC C18 for 4.6mm ID Columns, 3/Pk Part No.: AJ0-8768

- Holder Part No.: AJ0-9000



Products used in this application:



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ANALYTES:

- 1 Tianeptine
- 2 Desmethyldoxepin
- 3 Protriptyline
- 4 Desipramine
- 5 Imipramine
- 6 Amoxapine
- 7 Doxepin
- 8 Nortriptyline
- 9 Amitriptyline
- 10 Clomipramine

