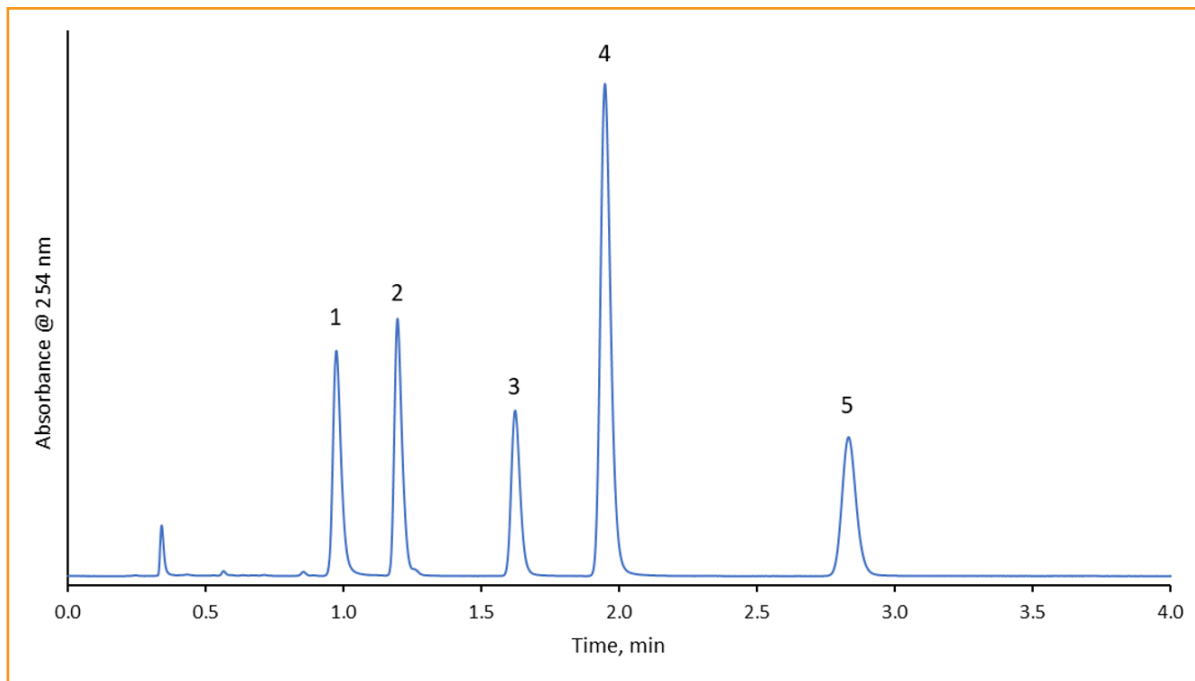




Separation of Antidepressants on HALO® Elevate

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TEST CONDITIONS:

Column: HALO 120 Å ELV C18, 2.7 μm , 2.1 x 100 mm
 Part Number: 92272-602
 Mobile Phase A: 10mM Ammonium Bicarbonate, pH:10
 Mobile Phase B: Acetonitrile
 Isocratic: 60% B
 Flow Rate: 0.5 mL/min
 Back Pressure: 260 bar
 Temperature: 35 °C
 Detection: UV/PDA, 254 nm
 Injection Volume: 0.2 μL
 LC System: Shimadzu Nexera X2

PEAK IDENTITIES:

1. Nortriptyline
2. Doxepin
3. Imipramine
4. Amitriptyline
5. Trimipramine

Tricyclic antidepressants (TCAs) are a class of drugs primarily used to manage depression. A separation of antidepressants is achieved under high pH conditions using a HALO® Elevate C18 column. Excellent peak shape and selectivity is achieved in under 3 minutes.