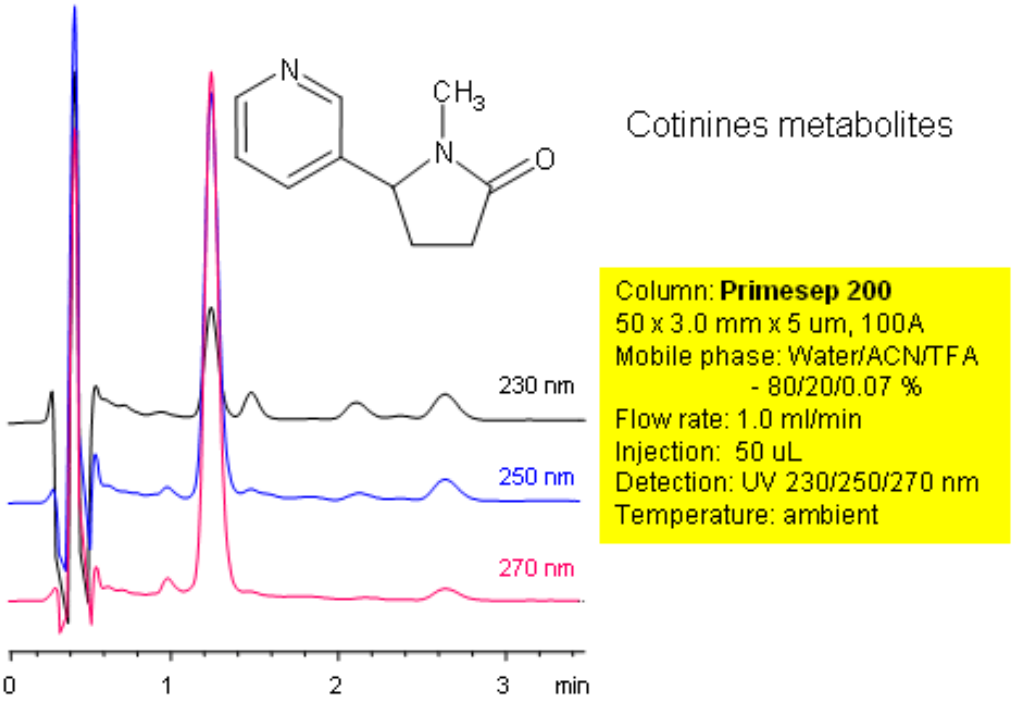
HPLC Separation of Cotinine Metabolites



Primesep 200 separates the very hydrophilic cotinine metabolites. Ion-exchange and other polar interactions provide retention for a compound that is difficult to retain on traditional C18 reversed-phase columns. The separation uses a simple mobile phase of water, acetonitrile (MeCN, ACN), and trifluoracetic acid (TFA) with UV detection.

Method Parameters

Column	Primesep 200, 3.0×50 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H2O
Buffer	TFA
Flow Rate	1.0 mL/min
Detection	UV, 23, 250, 270 nm

Quelle: https://sielc.com/Application-HPLC-Separation-of-Cotinine-Metabolites