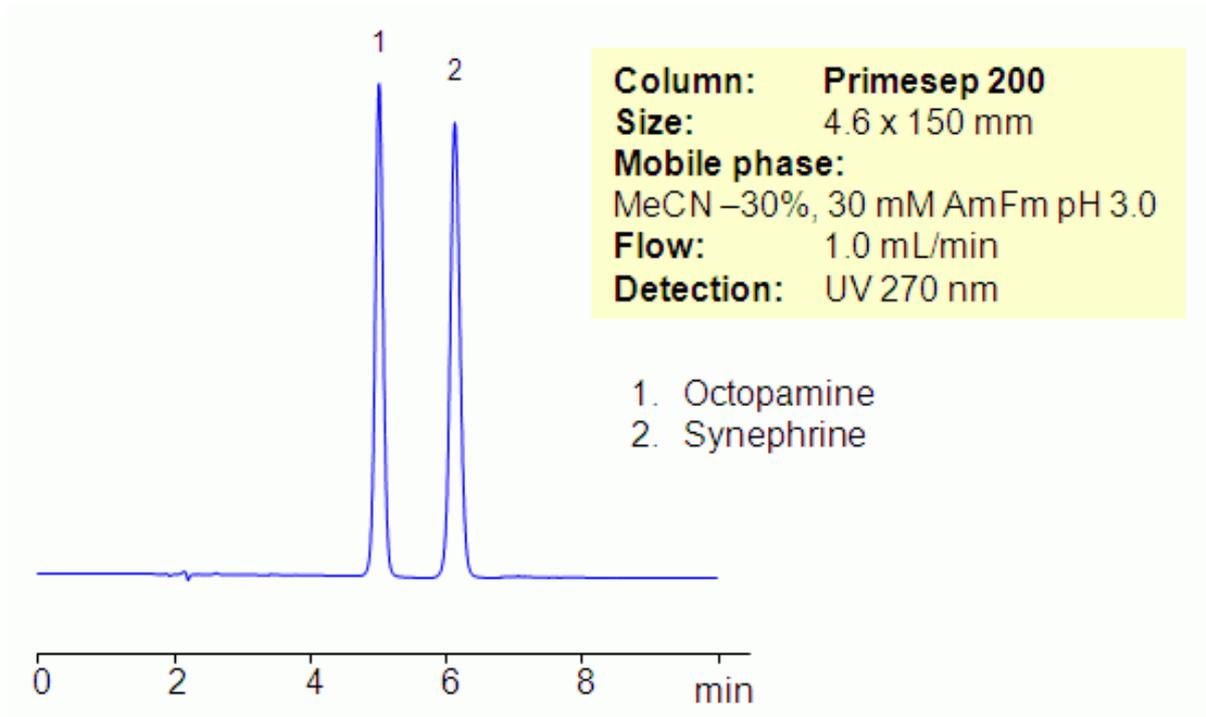


HPLC Separation of Octopamine and Synephrine on Primesep 200 Column



Octopamine is an analog of norepinephrine in invertebrates that's an important neurotransmitter and hormone. Synephrine is another molecule that has a similar structure to norepinephrine and is a very strong agonist of octopamine receptors in invertebrates. Both compounds can be baseline separated with an isocratic method in 30/70 Acetonitrile (ACN) and water mobile phase with a 30mM Ammonium Formate (AmFm) buffer at pH 3. UV detection 270 nm.

Method Parameters

Column	Primesep 200, 4.6x150 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H ₂ O – 30/70%
Buffer	AmFm pH 3.0- 30 mM
Flow Rate	1.0 mL/min
Detection	UV, 270 nm

Quelle: https://sielc.com/HPLC_Separation_of_Octopamine_and_Synephrine_on_Primesep_200_Column