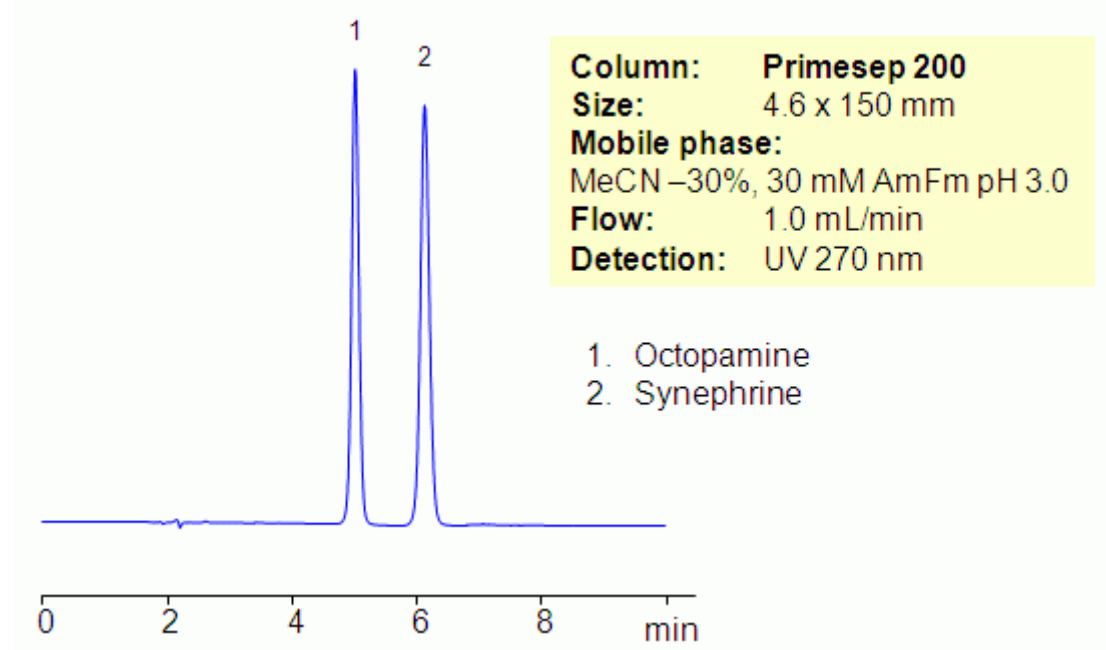


HPLC Separation of Octopamine and Synephrine on Primesep 200 Column

https://sielc.com/HPLC_Separation_of_Octopamine_and_Synephrine_on_Primesep_200_Column

Chromatogram



HPLC Separation of Octopamine and Synephrine on Primesep 200 Column

Description

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 270nm.

Method Parameters

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
Class of Compounds	Drug, Acid, Hydrophilic, Ionizable,Neurotransmitter
Analyzing Compounds	Octopamine, Synephrine

HPLC Column Used

Primesep 200, 4.6×150 mm, 5 µm, 100A

[Order this column at hplc-shop.de](https://www.hplc-shop.de) →