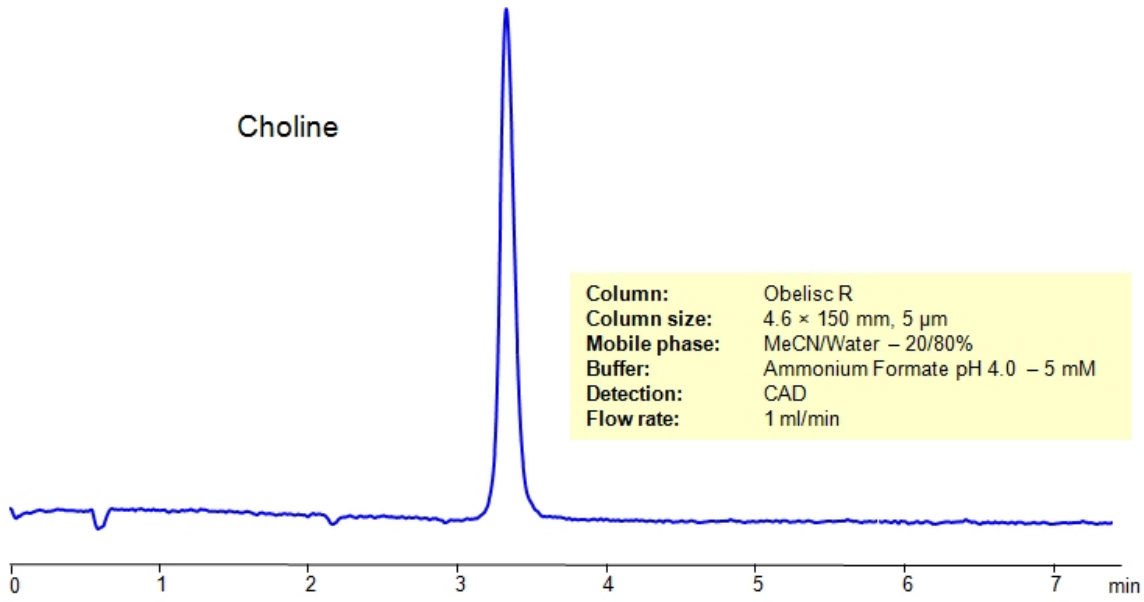
HPLC Method for Analysis of Choline on Obelisc R Column



Separation type: Liquid Chromatography Ion Exclusion

High Performance Liquid Chromatography (HPLC) Method of Choline

Choline is a water-soluble vitamin-like essential nutrient. It is a constituent of lecithin, which is present in many plants and animal organs. Choline is a nutrient related to the B-vitamin family. First discovered in 1862, it wasn't classified as an essential nutrient until very recently. It can be retained on an Obelisc R column, which has both positive and negative ion-pairs embedded in the stationary phase, allowing for the fine tuning and separation of a wide range of compounds with different ionic properties. Choline can be determined isocratically using a simple MS-compatible mobile phase of acetonitrile (ACN) and water with Ammonium Formate (AmFm) buffer and detected by ELSD, CAD or LC/MS.

Method Parameters

Column	Obelisc R, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 20/80%
Buffer	AmFm pH 4.0- 5 mM
Flow Rate	1.0 mL/min
Detection	CAD (Corona) MS- compatible mobile phase

Quelle: https://sielc.com/hplc-method-for-analysis-of-choline