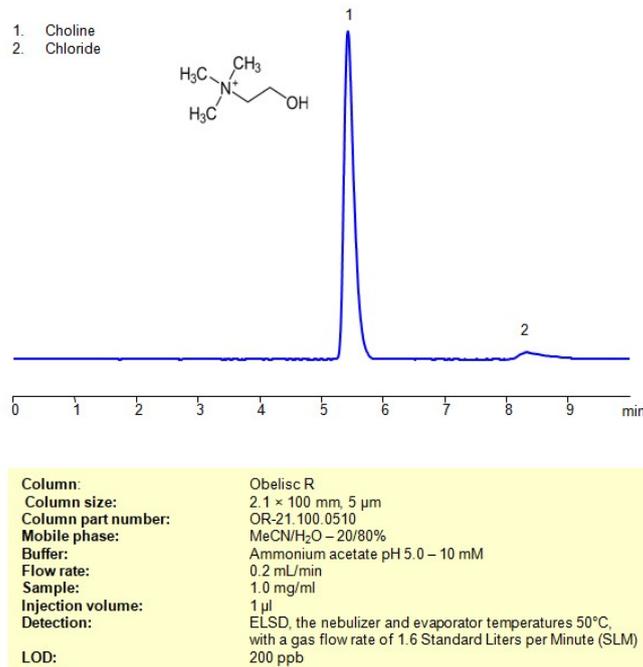


HPLC ELSD Method for Analysis of Choline on Obelisc R Column



Choline is an essential nutrient that plays a crucial role in various physiological processes in the body. It is often grouped with B-vitamins, but it is not officially recognized as a vitamin. Choline serves several important functions, including:

Food Sources: Choline is found in a variety of foods. Some good dietary sources of choline include:

Choline can be retained and analyzed using an Obelisc R mixed-mode stationary phase column. The analysis employs an isocratic method with a simple mobile phase consisting of water, acetonitrile (MeCN), and ammonium acetate as a buffer. Detection is achieved using ELSD

Method Parameters

Column	Obelisc R, 2.1 x 100 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H ₂ O – 20/80%
Buffer	Ammonium acetate pH 5.0 – 10 mM
Flow Rate	0.2 mL/min
Detection	ELSD, the nebulizer and evaporator temperatures 70°C, with a gas flow rate of 1.6 Standard Liters per Minute (SLM)
Injection Volume	1 µl

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