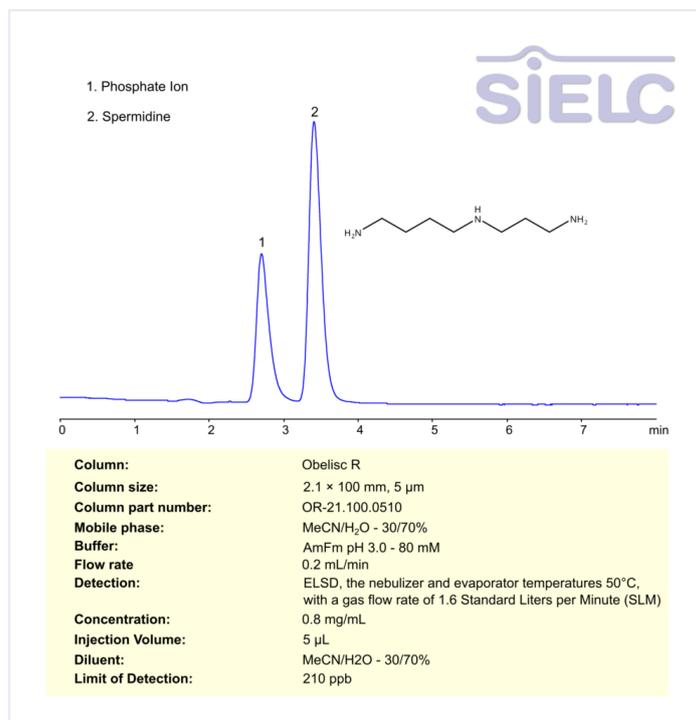


## HPLC ELSD Method for Analysis Spermidine on Obelisc R Column



Spermidine is a polyamine compound that is found in all living cells. It is a biogenic amine and is involved in various cellular processes.

Research and Health Implications:

Spermidine 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 formate as a buffer. Detection is achieved using ELSD

### Method Parameters

<b>Column</b>	Obelisc R, 2.1 x 100 mm, 5 µm, 100 Å, dual ended
<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O – 20/80%
<b>Buffer</b>	Ammonium formate pH 3.0 – 30 mM
<b>Flow Rate</b>	0.2 mL/min
<b>Detection</b>	ELSD, the nebulizer and evaporator temperatures 50°C, with a gas flow rate of 1.6 Standard Liters per Minute (SLM)
<b>Injection Volume</b>	5 µl

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