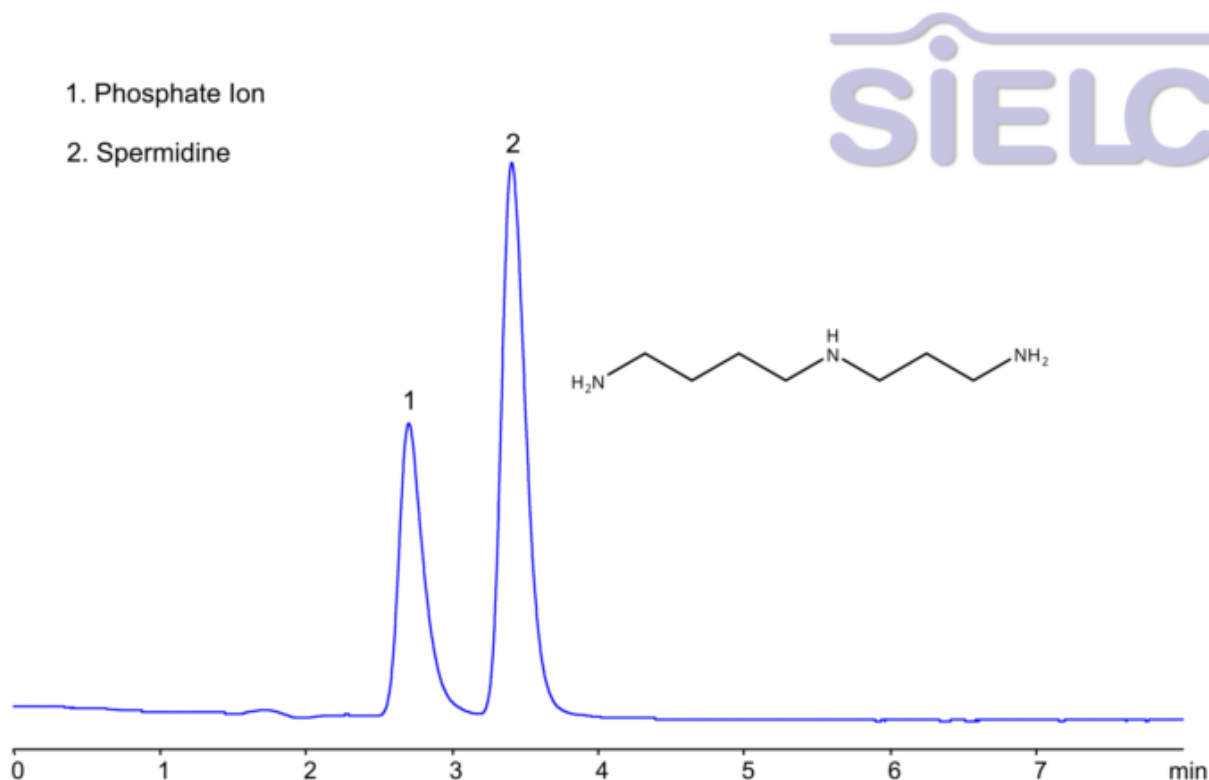


HPLC ELSD Method for Analysis of Spermidine on Obelisc R Column

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

Chromatogram



Column:	Obelisc R
Column size:	2.1 × 100 mm, 5 µm
Column part number:	OR-21.100.0510
Mobile phase:	MeCN/H ₂ O - 30/70%
Buffer:	AmFm pH 3.0 - 80 mM
Flow rate	0.2 mL/min
Detection:	ELSD, the nebulizer and evaporator temperatures 50°C, with a gas flow rate of 1.6 Standard Liters per Minute (SLM)
Concentration:	0.8 mg/mL
Injection Volume:	5 µL
Diluent:	MeCN/H ₂ O - 30/70%
Limit of Detection:	210 ppb

Description

· HPLC Method for Analysis of Spermidine on Obelisc R Column by SIELC Technologies

Spermidine is a polyamine compound with the chemical formula C₇H₁₉N₃ that is found in all living cells. It is a biogenic amine and is involved in various cellular processes.

Biological Roles: · Natural Sources: · Research and Health Implications: · Supplementation:

You can find detailed UV spectra of Spermidine and information about its various lambda maxima by visiting the following link.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 20/80%
Buffer	Ammonium formate pH 3.0 – 30 mM
Flow Rate	0.2 ml/min
Detection	ELSD, the nebulizer and evaporator temperatures 50°C, with a gas flow rate of 1.6 Standard Liters per Minute (SLM)
Samples	0.1 mg/ml
Injection volume	5 µl
LOD*	200 ppb
Class of Compounds	Polyamines
Analyzing Compounds	Spermidine

HPLC Column Used

Obelisc R, 2.1 x 100 mm, 5 µm, 100 Å, dual ended

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