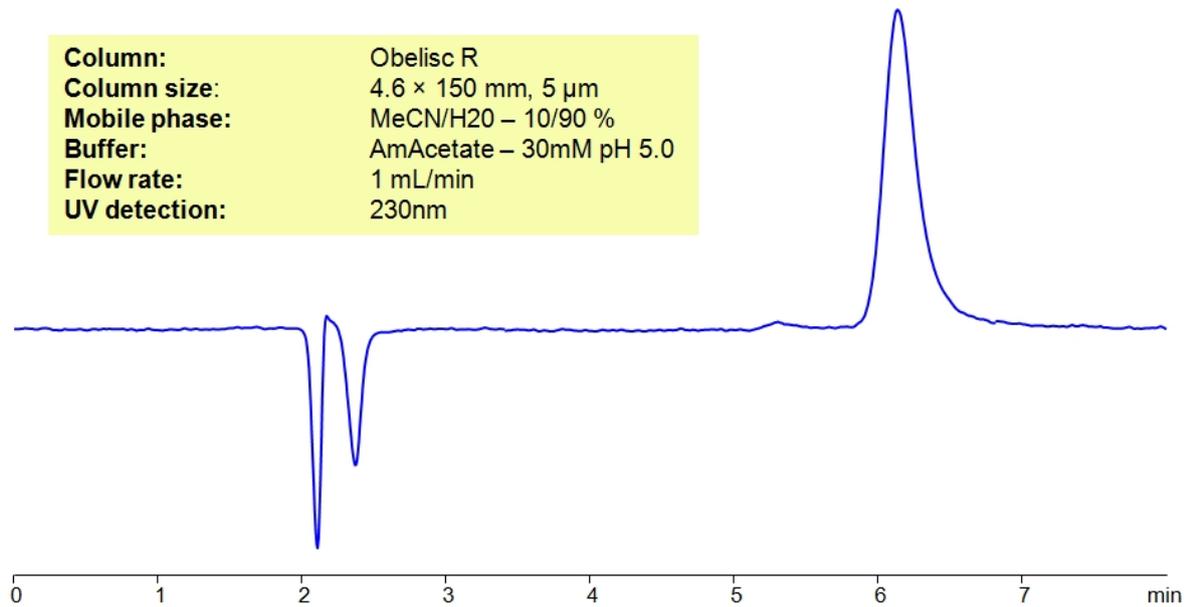


HPLC Method for Analysis of Pentosidine



High Performance Liquid Chromatography (HPLC) Method for Analysis of Pentosidine

Pentosidine is a advanced glycation end-product (AGE) with C₁₇H₂₆N₆O₄ • CF₃COOH chemical formula. Since it is a fluorescent biomarker, it is often used as an indicator in studies of aging and chronic diseases including diabetes and uremia.

Pentosidine can be retained and analyzed using the Obelisc R stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with an ammonium acetate buffer. Detection is performed using UV.

Method Parameters

Column	Obelisc R, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 20%
Buffer	Ammonium acetate
Flow Rate	1.0 mL/min
Detection	UV

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