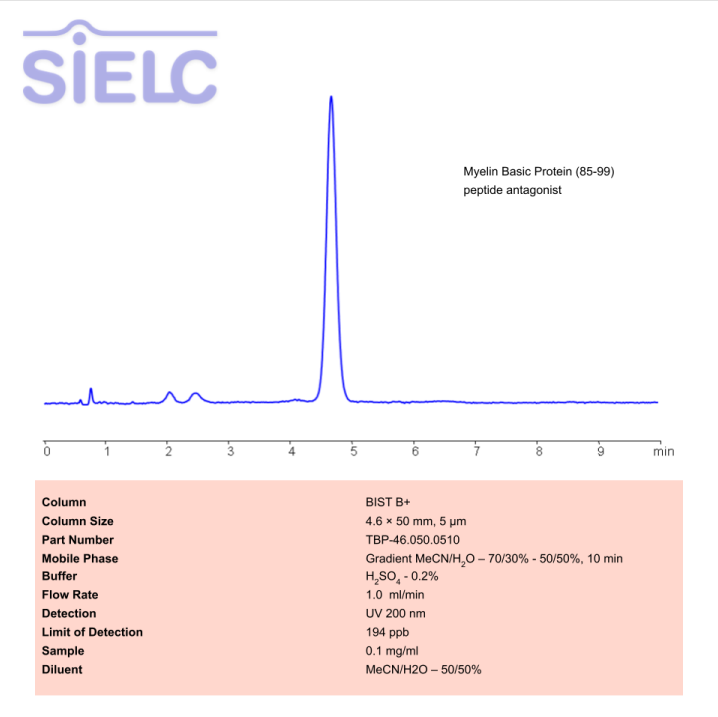
HPLC Method for Analysis of Myelin Basic Protein (85-99) Peptide Antagonist on BIST B+ Column



High Performance Liquid Chromatography (HPLC) Method for Analysis of Myelin Basic Protein Peptide Antagonist

Myelin Basic Protein Peptide Antagonist is a synthetic peptide antagonist with the molecular formula C70H114N18O21 • XCF3COOH . When expressing an MBP (85-99), it inhibits the production of IL-2 in T cell hybridoma cells. MBP peptide antagonist also delays MBP (85-99)-induced experimental autoimmune encephalomyelitis and reduces symptom severity.

Myelin Basic Protein Peptide Antagonist can be retained and analyzed using the BIST B+ stationary phase column. The analysis utilizes a gradient method with a simple mobile phase consisting of water and acetonitrile (MeCN). Detection is performed using UV.

Method Parameters

Column	BIST B+, 4.6 x 50 mm, 5 µm, 100 Å, dual ended
Mobile Phase	Gradient MeCN – 70/30% – 50/50%, 10 min
Buffer	Sulfuric Acid
Flow Rate	1.0 mL/min
Detection	UV 200

Quelle: https://sielc.com/hplc-method-for-analysis-of-myelin-basic-protein-85-99-peptide-antagonist