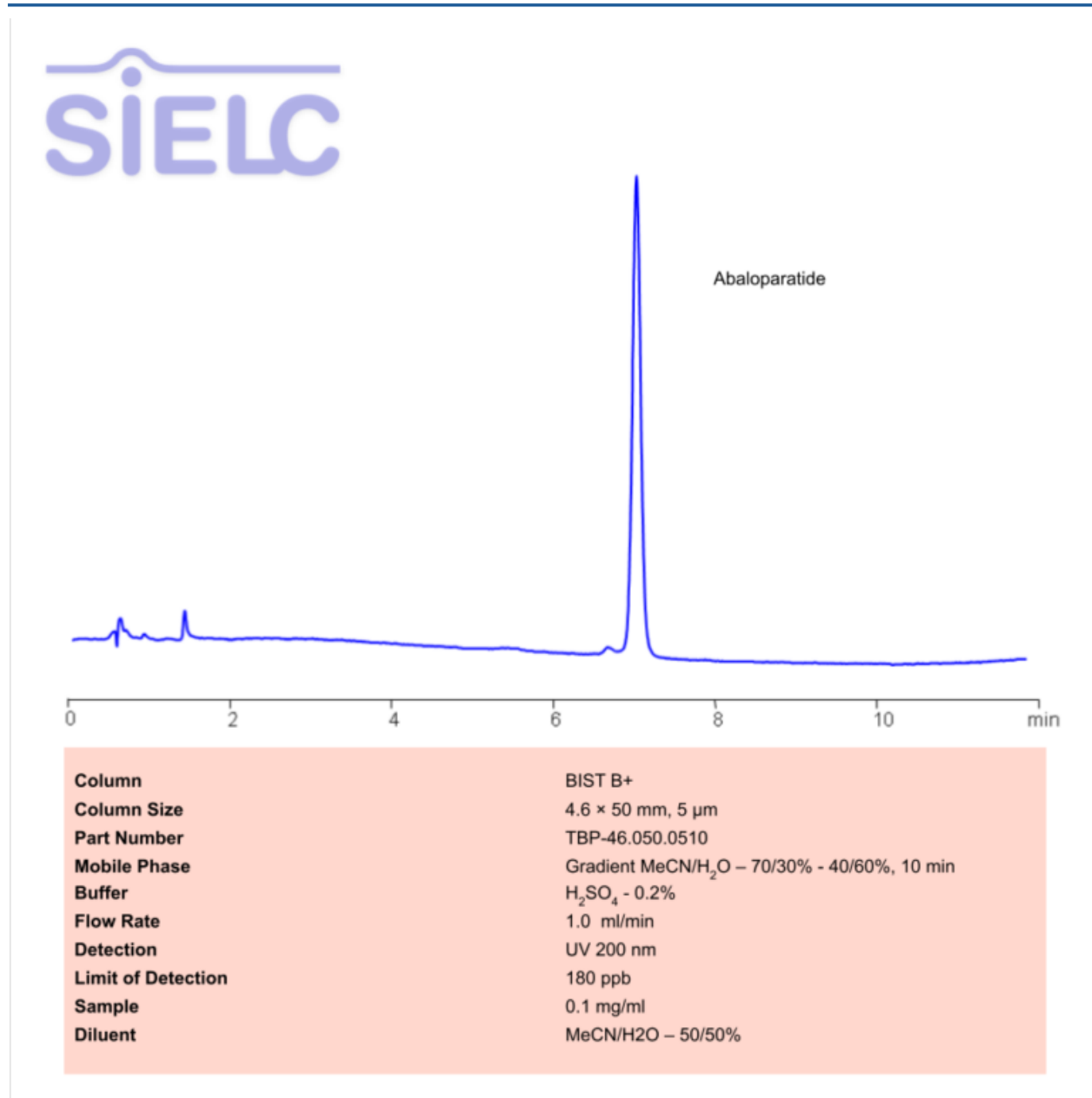


HPLC Method for Analysis of Abaloparatide on BIST B+ Column

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

Chromatogram



Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Abaloparatide

Abaloparatide is a 34-amino acid parathyroid hormone-related protein (PTHrP) analogue with the molecular formula C₁₇₄ H₂₉₉ N₅₆ O₄₉. It is used to treat osteoporosis in postmenopausal women who are intolerant to other available osteoporosis therapy. It is also used to increase bone density in men with osteoporosis.

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

Method Parameters

Mobile Phase	MeCN – 70-40%
Buffer	Sulfuric Acid
Flow Rate	1.0 ml/min
Detection	UV 200
LOD*UV	180 ppb
Class of Compounds	Protein Analogue
Analyzing Compounds	Abaloparatide

HPLC Column Used

BIST B+, 4.6 x 50 mm, 5 µm, 300 A, dual ended

[Order this column at hplc-shop.de →](#)