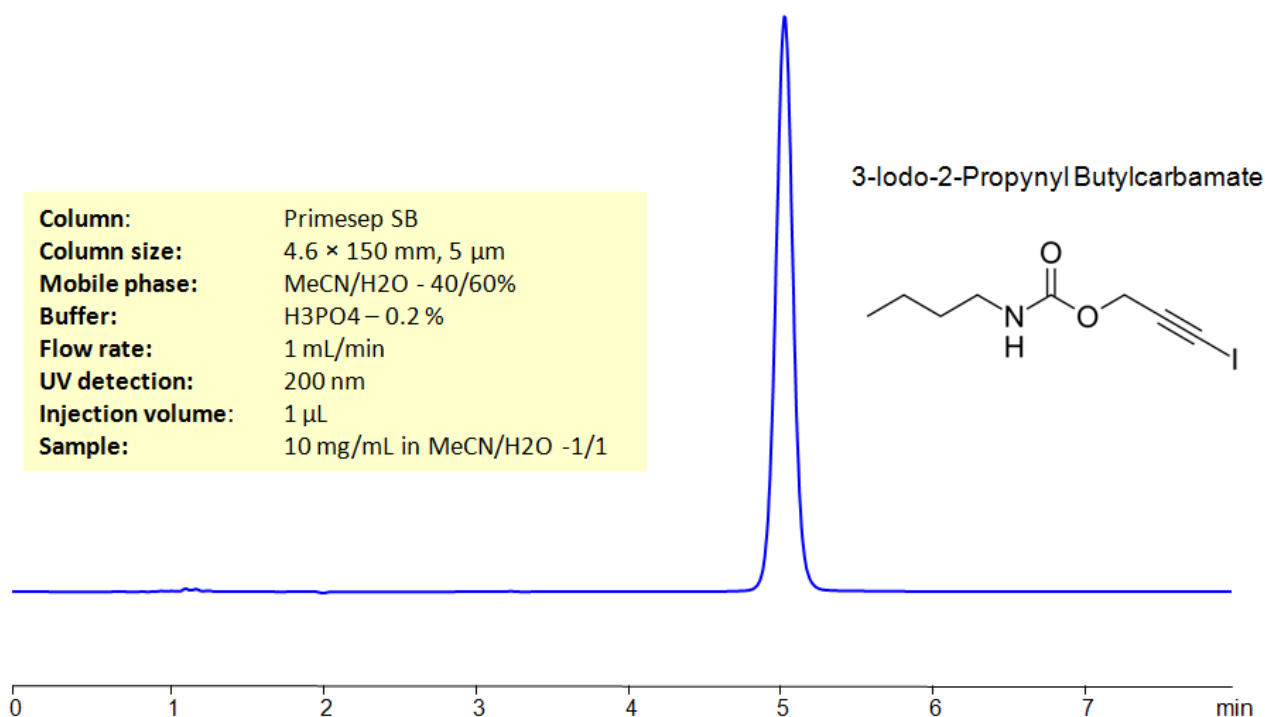


HPLC Method for Analysis of 3-Iodo-2-propynyl-N-butylcarbamate

<https://sielc.com/hplc-method-for-analysis-of-3-iodo-2-propynyl-n-butylcarbamate>

Chromatogram



Description

High Performance Liquid Chromatography (HPLC) Method for Analysis of 3-Iodo-2-propynyl-N-butylcarbamate .

3-Iodo-2-propynyl-N-butylcarbamate, also known as idocarb, has the chemical formula C₈H₁₂I N O₂. It is typically used as a preservative in paint, coatings, and wood preservatives. In cosmetics, besides as a preservative, it is also used as a fungicide at low concentrations.

3-Iodo-2-propynyl-N-butylcarbamate can be retained and analyzed using the Primesep SB stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a phosphoric acid buffer. Detection is performed using UV.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 40/60%
Buffer	H ₃ PO ₄ – 0.2%
Flow Rate	1.0 ml/min
Detection	UV, 200 nm
Class of Compounds	Preservative, Hydrophobic, Ionizable, Zwitterionic

HPLC Column Used

Primesep SB, 4.6 x 150 mm, 5 µm, 100 Å, dual ended[Order this column at hplc-shop.de →](https://www.hplc-shop.de)