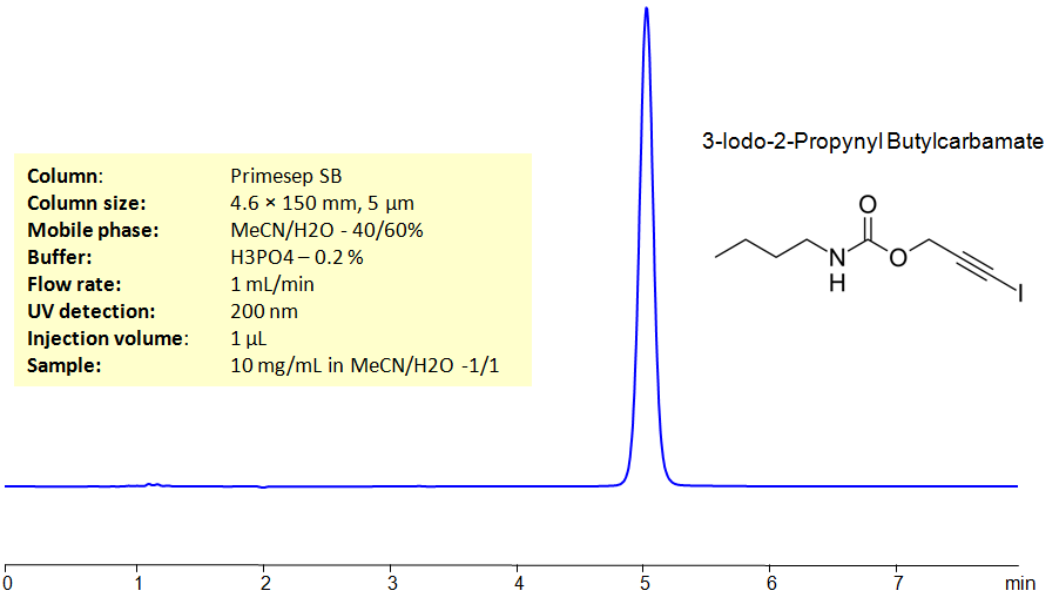
HPLC Method for Analysis of 3-Iodo-2-propynyl-N-butylcarbamate



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 C8H12INO2 . 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

Column	Primesep SB, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 40/60%
Buffer	H3PO4 – 0.2%
Flow Rate	1.0 mL/min
Detection	UV, 200 nm

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

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