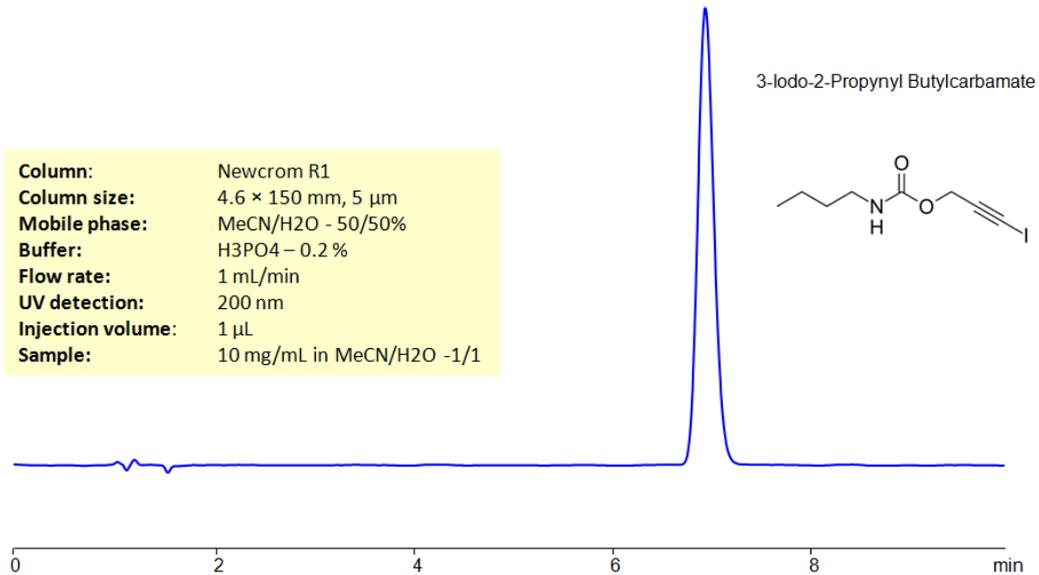


## HPLC Determination of 3-Iodo-2-Propynyl Butylcarbamate on Newcrom R1 Column



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

Iodopropynyl Butyl Carbamate is a water-based preservative used in paints, coating, personal care and cosmetic industries. It is used because of its fungicide properties. It can be retained on Newcrom R1 reverse-phase column using an isocratic analytical method using a mobile phase of acetonitrile (ACN) and water with a phosphoric acid (H3PO4) buffer with UV detection at 200 nm.

### Method Parameters

|                     |   |
|---------------------|---|
| <b>Column</b>       | Newcrom R1, 4.6 x 150 mm, 5 µm, 100 Å, dual ended |
| <b>Mobile Phase</b> | MeCN/H2O – 50/50%                                 |
| <b>Buffer</b>       | AmFm pH 3.0- 10 mM                                |
| <b>Flow Rate</b>    | 1.0 mL/min  |
| <b>Detection</b>    | UV, 200 nm  |

Quelle: <https://sielc.com/hplc-determination-of-3-iodo-2-propynyl-butylcarbamate>