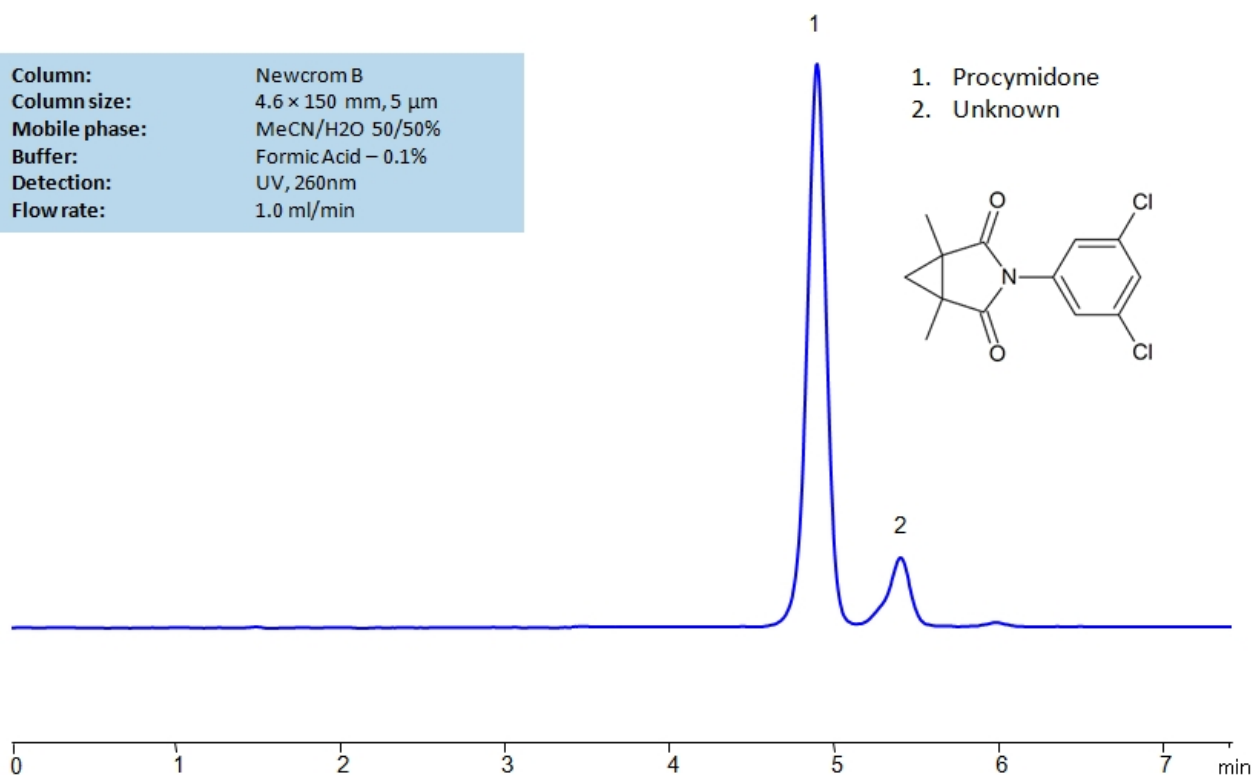


# HPLC Separation of Procymidone on Newcrom B Column

<https://sielc.com/hplc-separation-of-procymidone-on-newcrom-b-column>

## Chromatogram



## Description

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

Procymidone is a pesticide and fungicide with the chemical formula C<sub>13</sub>H<sub>11</sub>Cl<sub>2</sub>NO<sub>2</sub>. It is typically used to kill unwanted ferns, nettles, and fungi in lupins, grapes, stone fruit, and strawberries.

Procymidone can be retained and analyzed using the Newcrom B stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a formic acid buffer. Detection is performed using UV.

## Method Parameters

|                    |                                   |
|--------------------|-----------------------------------|
| Mobile Phase       | MeCN/H <sub>2</sub> O – 50/50%    |
| Buffer             | Formic Acid – 0.1%                |
| Flow Rate          | 1.0 ml/min                        |
| Detection          | UV, 260 nm                        |
| Class of Compounds | Hydrophobic, Herbicide, Pesticide |

## HPLC Column Used

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