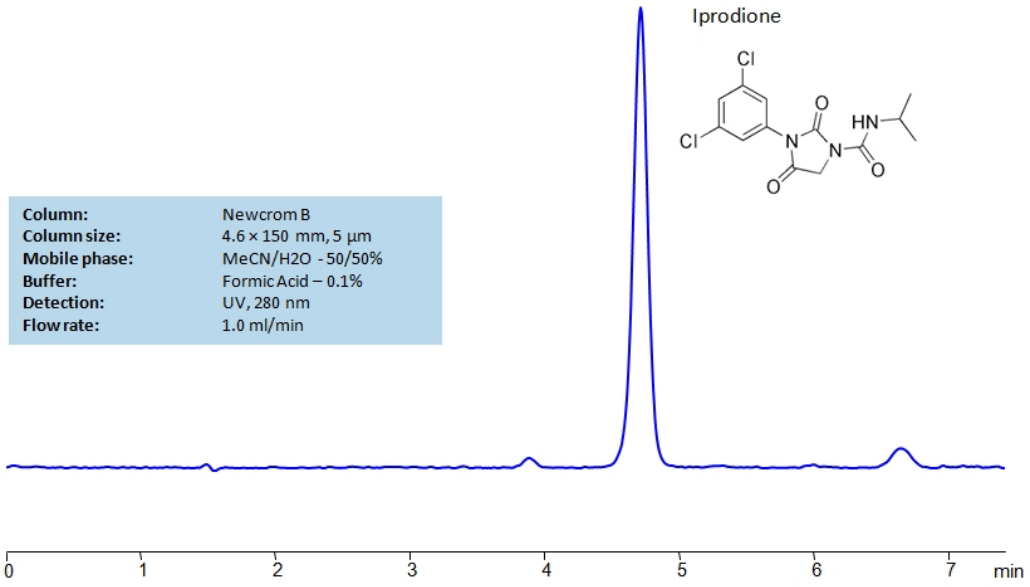
HPLC Determination of Iprodione on Newcrom B Column



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

Iprodione is a hydantoin fungicide and nematicide with the chemical formula C13H13Cl2N3O3 . It is used on a wide variety of crops that are affected by fungal diseases such as botrytis bunch rot, brown rot, and Sclerotinia. Approval of using it is different across the world.

Iprodione 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

Column	Newcrom B, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 50/50%
Buffer	Formic Acid – 0.1%
Flow Rate	1.0 mL/min
Detection	UV, 280 nm

Quelle: https://sielc.com/hplc-determination-of-iprodione-on-newcrom-b-column

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