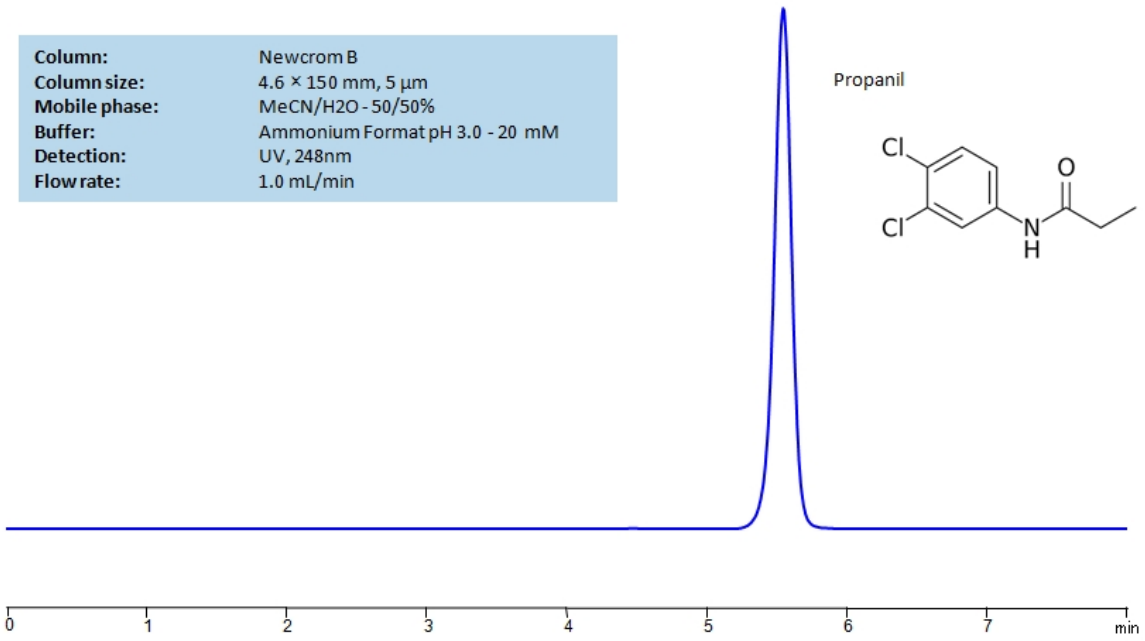
HPLC Determination of Propanil on Newcrom B Column



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

Propanil is a contact herbicide with the chemical formula C9H9Cl2NO . It is one of the most widely used herbicides in America. It works as an inhibitor of photosynthesis and CO2 fixation in weeds.

Propanil 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 an ammonium formate 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	AmFm pH 3.0 – 20 mM
Flow Rate	1.0 mL/min
Detection	UV, 248 nm

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

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