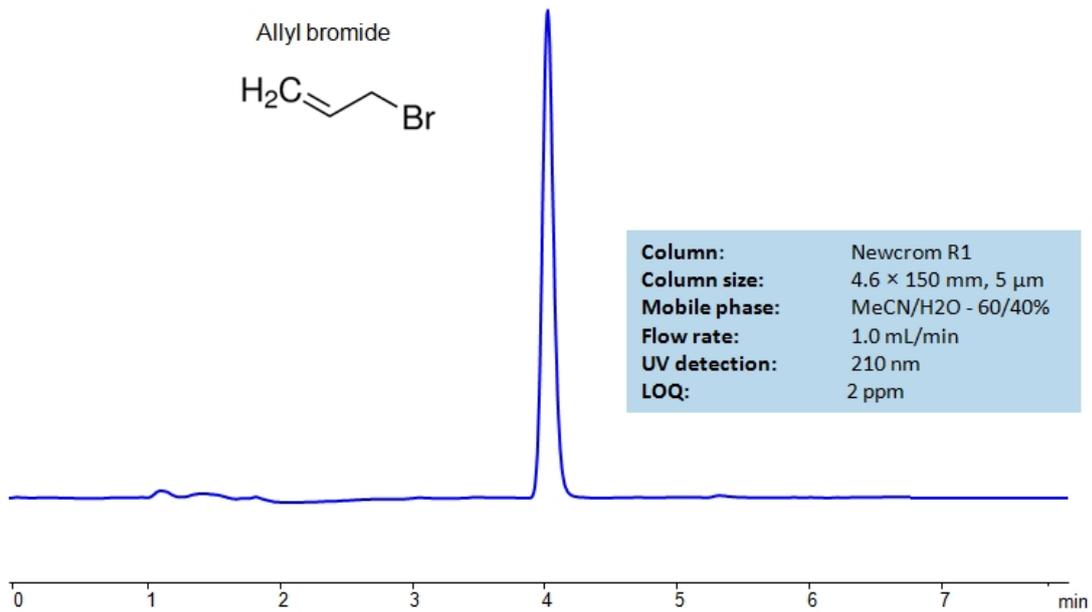


HPLC Determination of Allyl Bromide on Newcrom R1 Column



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

Allyl Bromide is an organic halide with C₃H₅Br chemical formula. It is an alkylating agent typically found in synthesis of polymers, pharmaceuticals, perfumes, and more. Often, it is used as starting material in organic synthesis. Physically, it is a colorless liquid that occasionally presents more yellow. It is toxic to people by skin absorption, irritable to eyes and respiratory system.

Allyl bromide can be retained and analyzed using the Newcrom R1 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a triethanolamine buffer. Detection is performed using UV.

Method Parameters

Column	Newcrom R1, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H ₂ O – 60/40%
Flow Rate	1.0 mL/min
Detection	UV 210 nm

Quelle: <https://sielc.com/hplc-determination-of-allyl-bromide>