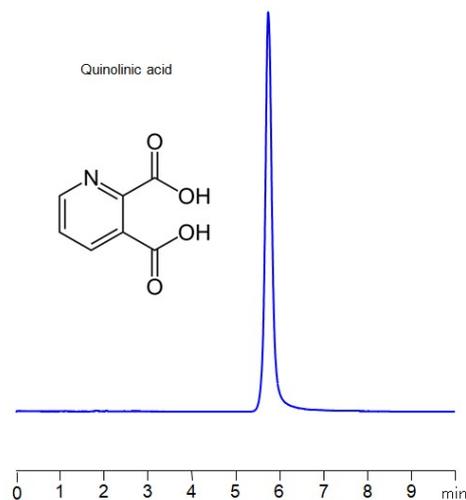


HPLC Method for Analysis of Quinolinic acid on Newcrom BH Column



Column:	Newcrom BH
Column size:	4.6 × 150 mm, 5 µm, 100Å
Column part number:	NBH-46.150.0510
Mobile phase:	MeCN – 20%
Buffer:	H ₃ PO ₄ – 0.2%
Flow rate:	1.0 mL/min
Detection:	UV 200 nm

Separation type: Liquid Chromatography Mixed-mode

Quinolinic acid (also known as quinolinate or 2,3-pyridinedicarboxylic acid) is a dicarboxylic acid with a pyridine backbone. It plays a role in various biological processes and is associated with some pathological conditions.

Quinolinic acid can be retained and analyzed on a mixed-mode Newcrom BH column with a mobile phase consisting of water, Acetonitrile (MeCN), and phosphoric acid. This analytical method can detect compounds with high resolution and peak symmetry using UV detection at 200 nm

Method Parameters

Column	Newcrom BH, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 20%
Buffer	H ₃ PO ₄ – 0.2%
Flow Rate	1.0 mL/min
Detection	200 nm

Quelle: <https://sielc.com/hplc-determination-of-quinolinic-acid>