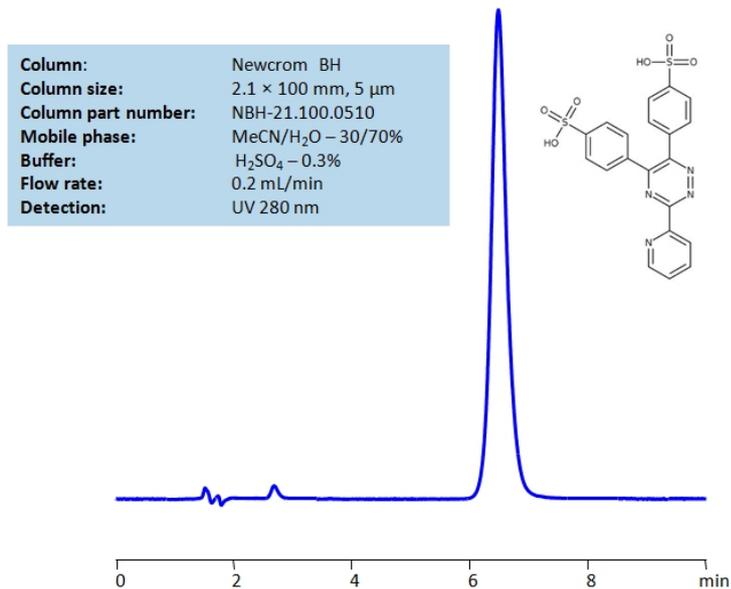


HPLC Method of Ferrozine on Newcrom BH Column



High Performance Liquid Chromatography (HPLC) Method for Analysis of Ferrozine

Ferrozine is a common reagent and indicator used for analyzing and detecting iron. Multi-charged molecules, such as Ferrozine, generally have a tendency to exhibit poor peak shape on reverse-phase HPLC columns, where they show significant tailing.

This compound can be retained with great peak shape on a Newcrom BH mixed-mode column. Ferrozine can be measured at low UV. Using a Newcrom BH mixed-mode column and a mobile phase consisting of methanol (MeOH) and water with perchloric acid (HClO₄) buffer, Ferrozine can be retained and UV detected at 280 nm with precise resolution.

Method Parameters

Column	Newcrom BH, 2.1 x 100 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeOH/H ₂ O – 30/70%
Buffer	HClO ₄ – 0.3%
Flow Rate	0.2 mL/min
Detection	UV 280 nm

Quelle: <https://sielc.com/hplc-method-of-ferrozine-on-newcrom-bh-column>