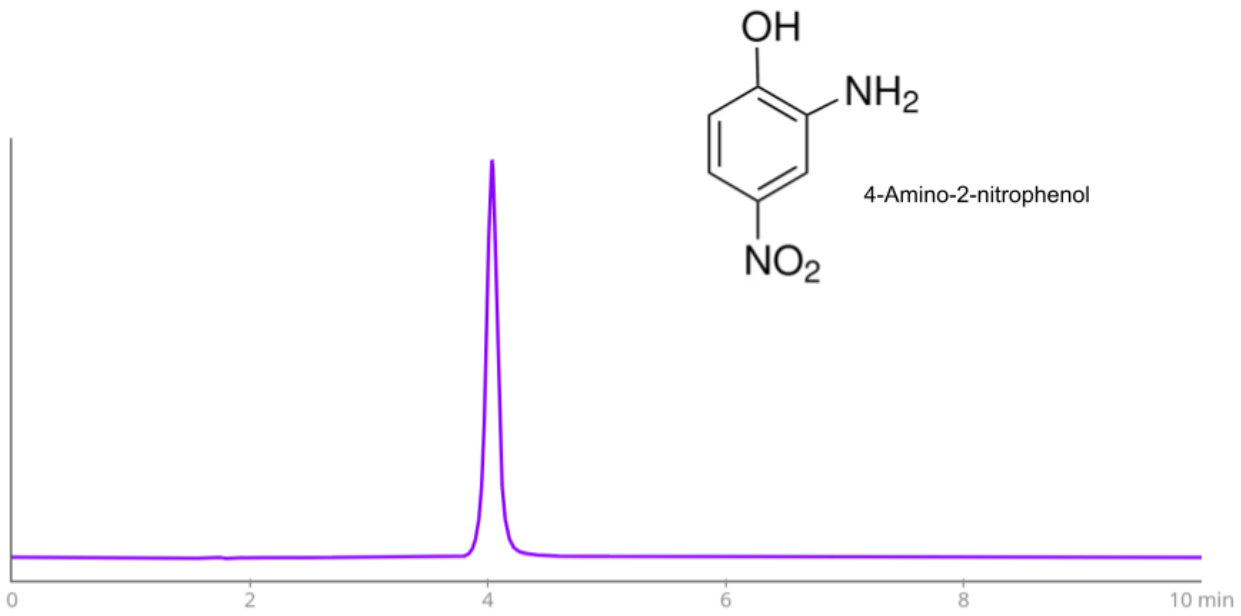
HPLC Method for Analysis of 4-Amino-2-nitrophenol on Primesep 100 Column with Alltesta™

https://sielc.com/hplc-method-for-analysis-of-4-amino-2-nitrophenol

Chromatogram



Column	Primesep 100
Column Size	3.2 x 150mm, 5 µm
Part Number	100-32.150.0510
Mobile Phase	MeCN/H_2O - 50/50%
Buffer	H_2SO_4 - 0.2%
Flow Rate	0.5 ml/min
Detection	UV 275 nm
Device	Alltesta™ Gradient Automated Analyzer

Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of 4-Amino-2-nitrophenol

4-Amino-2-nitrophenol is a hydrocarbon with the molecular formula C 6 H 6 N 2 O 3 . It is a red-purple powder that is typically used in as an oxidation base in hair dye. California considers this compound a carcinogen.

4-Amino-2-nitrophenol can be retained and analyzed using the Primesep 100 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a sulfuric acid buffer. Detection is

performed using UV.

Method Parameters

Mobile Phase	MeCN – 50%
Buffer	Sulfuric Acid
Flow Rate	1.0 ml/min
Detection	UV 275 nm
Class of Compounds	Hydrocarbon
Analyzing Compounds	4-Amino-2-nitrophenol

HPLC Column Used

Primesep 100, 3.2 x 150 mm, 5 µm, 100 A, dual ended
Order this column at hplc-shop.de →