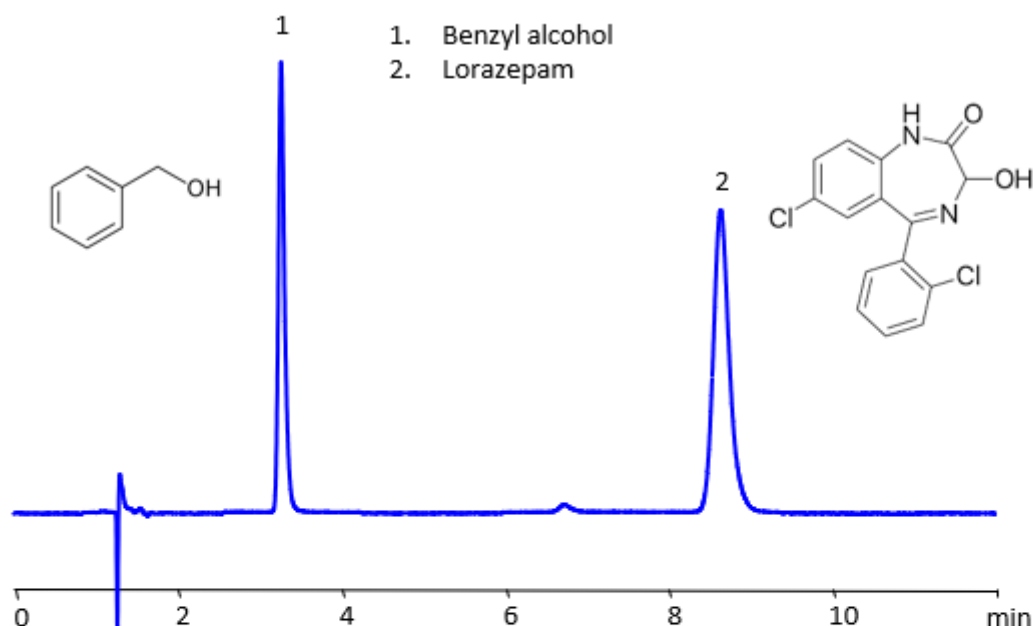


HPLC Method for Lorazepam Injection on Newcrom R1 Column

<https://sielc.com/hplc-method-for-lorazepam-injection>

Chromatogram



Column:	Newcrom R1
Column size:	4.6 × 150 mm, 5 µm
Column part number:	NR1-46.150.0510
Mobile phase:	MeCN/H ₂ O – 35/65%
Buffer:	No
Flow rate:	1.0 ml/min
Detection:	UV 275 nm, MS-compatible mobile phase
Injection volume:	1 µl
Sample:	2mg/ml

Description

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

Lorazepam is a short-acting benzodiazepine medication commonly used as a sedative and anxiolytic of choice in the inpatient setting owing to its fast onset of action when administered intravenously. Lorazepam is one of the few sedative-hypnotics with a relatively clean side effect profile. It has the chemical formula C₁₅ H₁₀ Cl₂ N₂ O₂.

You can find detailed UV spectra of Lorazepam, Benzyl alcohol and information about its various lambda maxima by visiting the following link.

Lorazepam can be retained in HPLC on Newcrom R1 reverse-phase column with the simple isocratic mobile phase consisting of acetonitrile (MeCN) and water. The analysis method can be UV detected at 275 nm.

Method Parameters

Mobile Phase	MeCN – 35%
Buffer	No
Flow Rate	1.0 ml/min
Detection	UV 275 nm
Class of Compounds	Hydrophobic, Drug
Analyzing Compounds	Lorazepam,Benzyl alcohol

HPLC Column Used

Newcrom R1, 4.6 x 150 mm, 5 µm, 100 A, dual ended

[Order this column at hplc-shop.de →](https://www.hplc-shop.de)