# Separation of Proguanil hydrochloride on Newcrom R1 HPLC column

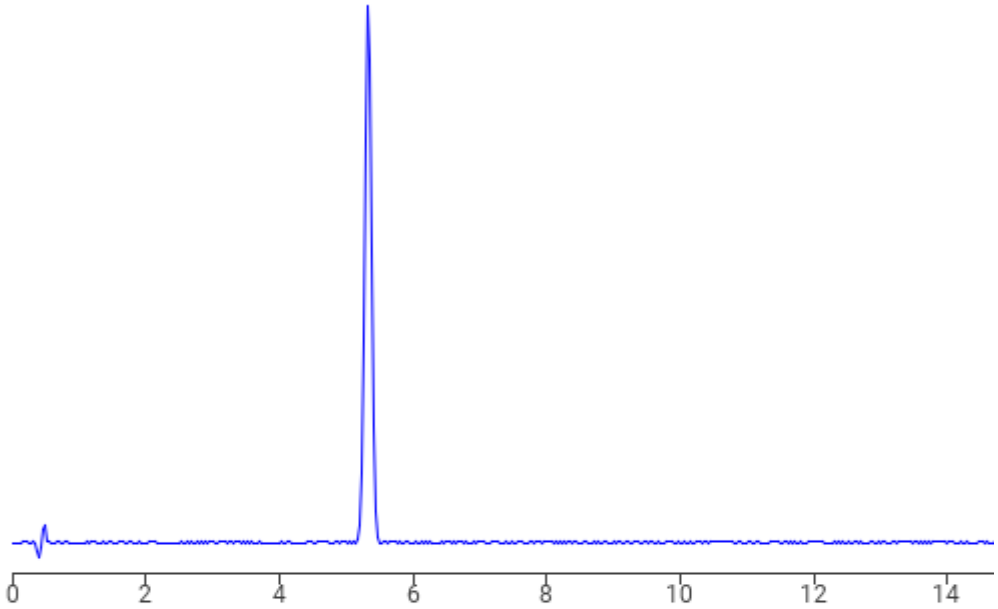
**CALCULATED CHROMATOGRAM**

https://sielc.com/separation-of-proguanil-hydrochloride-on-newcrom-r1-hplc-column

## Chromatogram

**CALCULATED CHROMATOGRAM – NOT AN EXPERIMENTAL RESULT**

The result was obtained by a proprietary SIELC algorithm. It may deviate from the actual experimental data.




| | |
|---|---|
| Column phase: | Newcrom R1 |
| Mobile phase: | MeCN/H2O/H3PO4 - 40/60/0.1 |
| Flow rate: | 1.0 mL/min |
| Column size: | 100 x 3.2 mm, 3 µm |

## Description

Proguanil hydrochloride can be analyzed by this reverse phase (RP) HPLC method with simple conditions. The mobile phase contains an acetonitrile (MeCN), water, and phosphoric acid. For Mass-Spec (MS) compatible applications the phosphoric acid needs to be replaced with formic acid. Smaller 3 µm particles columns available for fast UPLC applications. This liquid chromatography method is scalable and can be used for isolation impurities in preparative separation. It also suitable for pharmacokinetics.