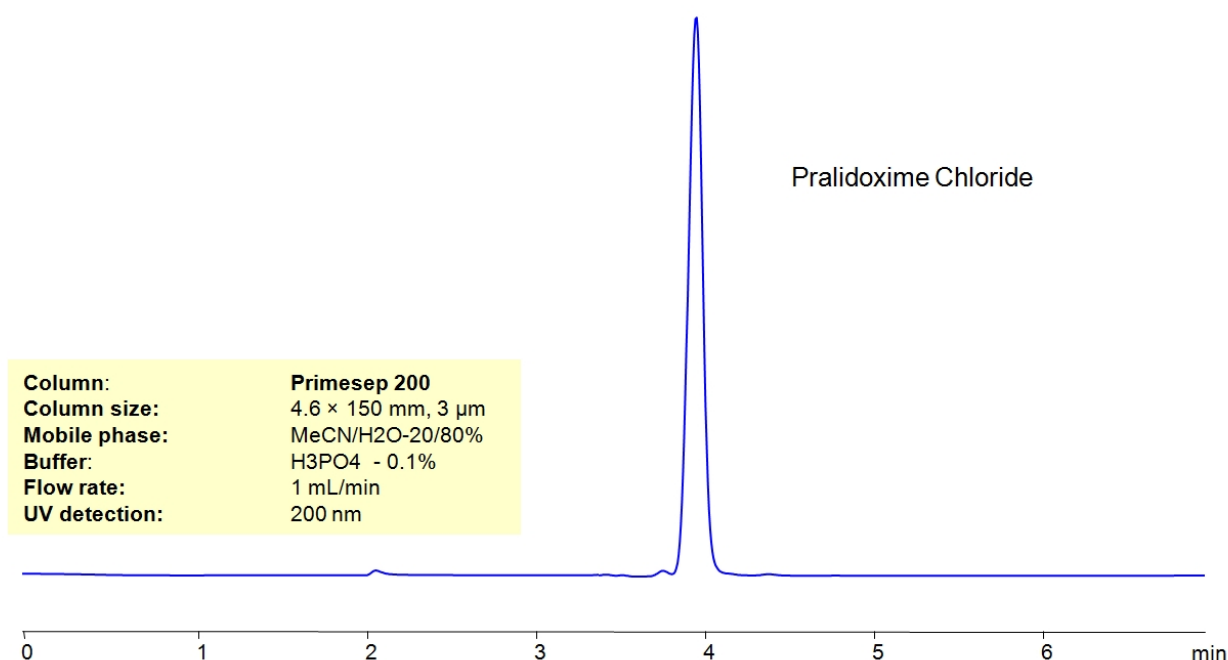


# HPLC Determination of Pralidoxime Chloride on Primesep 200 Column

<https://sielc.com/hplc-determination-of-pralidoxime-chloride>

## Chromatogram



*HPLC Determination of Pralidoxime Chloride*

## Description

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

Pralidoxime Chloride , also known as 2-PAM, is a cholinesterase reactivator with the chemical formula  $C_7H_9N_2O_+$  . It is used as an antidote for poisoning by organophosphate pesticides and nerve agents.

Pralidoxime Chloride can be retained and analyzed using the Primesep 200 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a [buffer] buffer. Detection is performed using UV.

## Method Parameters

|                     |                                       |
|---------------------|---------------------------------------|
| Mobile Phase        | MeCN/H <sub>2</sub> O – 20/80%        |
| Buffer              | H <sub>3</sub> PO <sub>4</sub> – 0.1% |
| Flow Rate           | 1.0 ml/min                            |
| Detection           | UV, 200 nm                            |
| Class of Compounds  | Drug, Basic, Hydrophobic, Ionizable   |
| Analyzing Compounds | Pralidoxime Chloride                  |

#### HPLC Column Used

**Primesep 200, 4.6 x 150 mm, 3 µm, 100 Å, dual ended**

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