

## Chlordiazepoxide and Metabolites

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Waters Corporation



This is an Application Brief and does not contain a detailed Experimental section.

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### Abstract

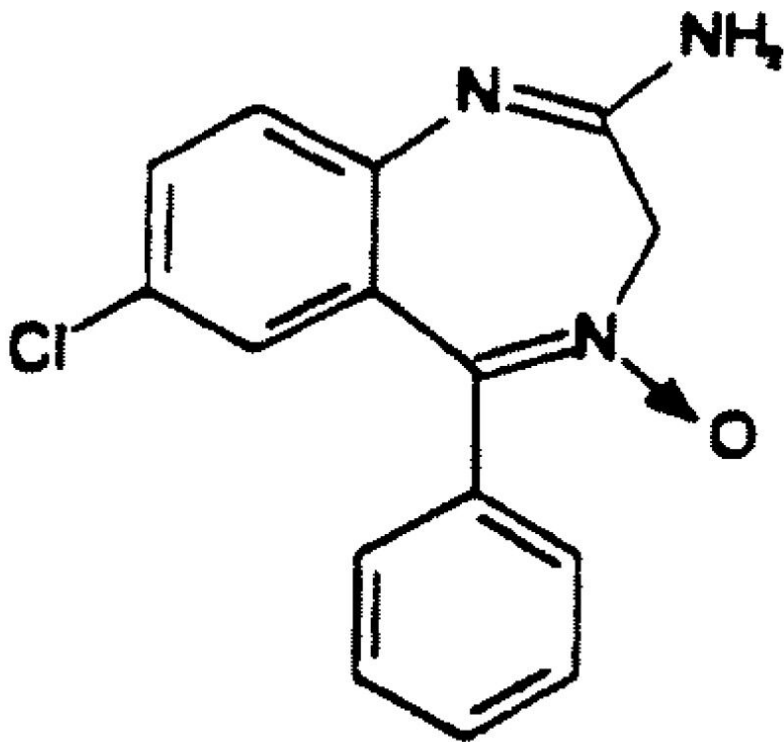
This application brief demonstrates analysis of chlordiazepoxide and metabolites.

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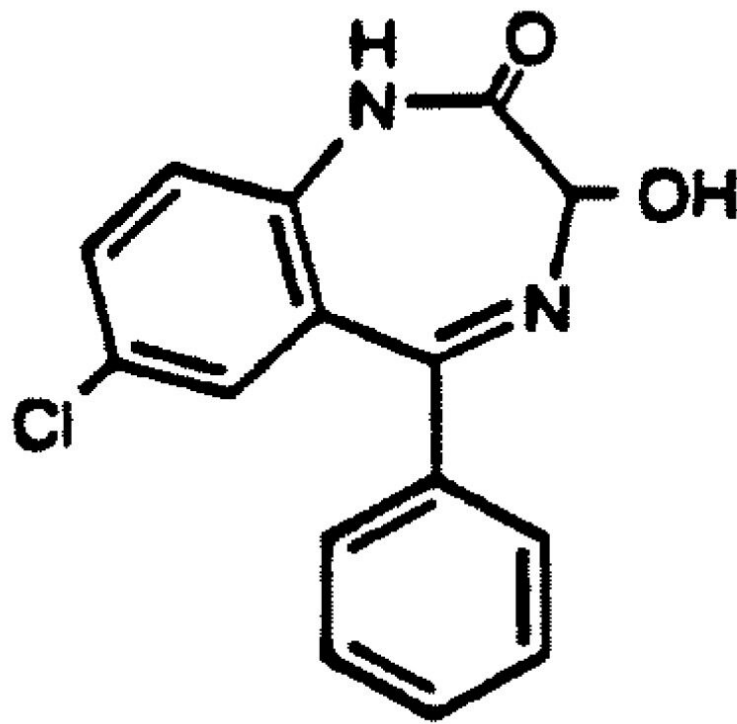
## Introduction

The compounds used in this study are -

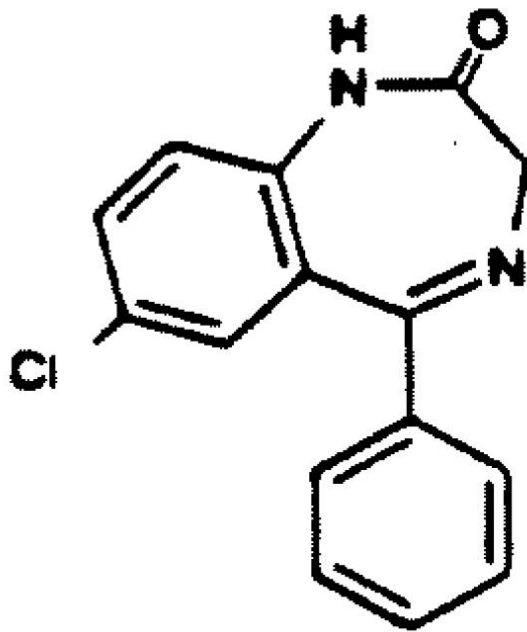
Compounds	USP Tailing Factors
Norchlordiazepoxide	1.1
Oxazepam	1.2
Nordiazepam	1.1
Chlordiazepoxide	1.2
Demoxepam	1.1



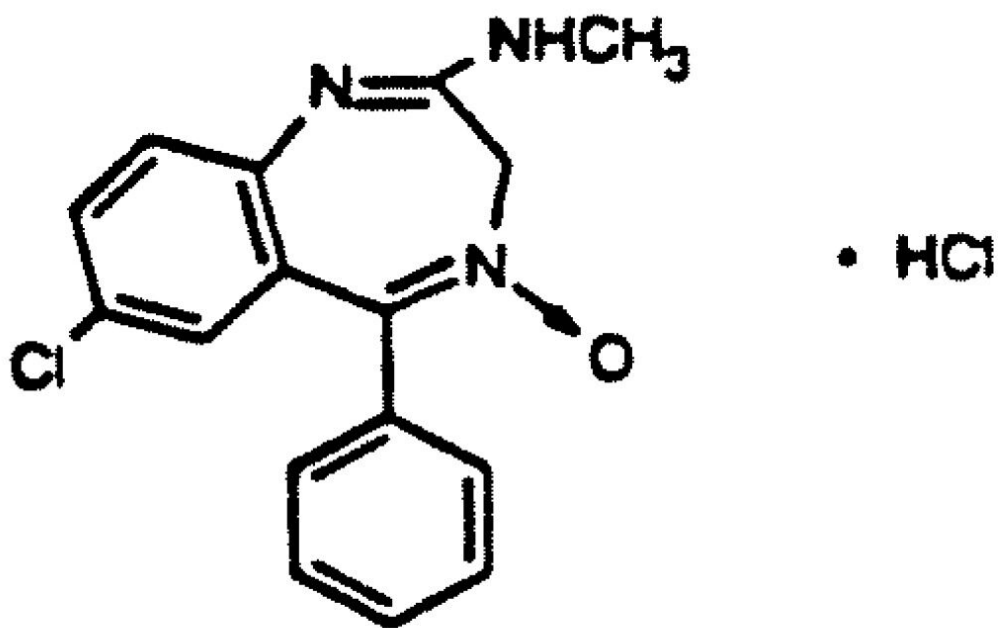
# 1. Norchlordiazepoxide



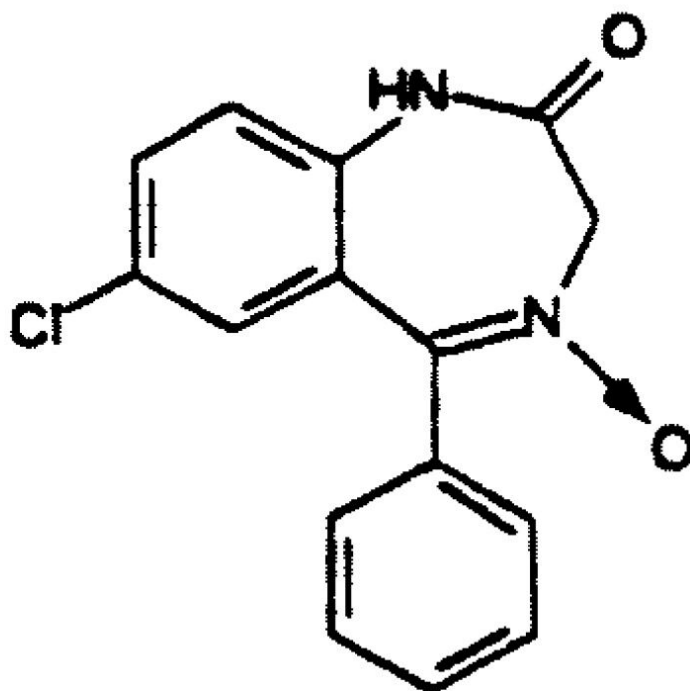
## 2. Oxazepam



### 3. Noradiazepam



## 4. Chlordiazepoxide



## 5. Demoxepam

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### Experimental

#### HPLC Method

Column:	Symmetry C <sub>18</sub> , 3.0 x 150 mm, 5 μm
Part number:	WAT054200
Mobile phase:	20 mM potassium phosphate pH 7.0/methanol/acetonitrile 49:28:23

Flow rate: 0.59 mL/min

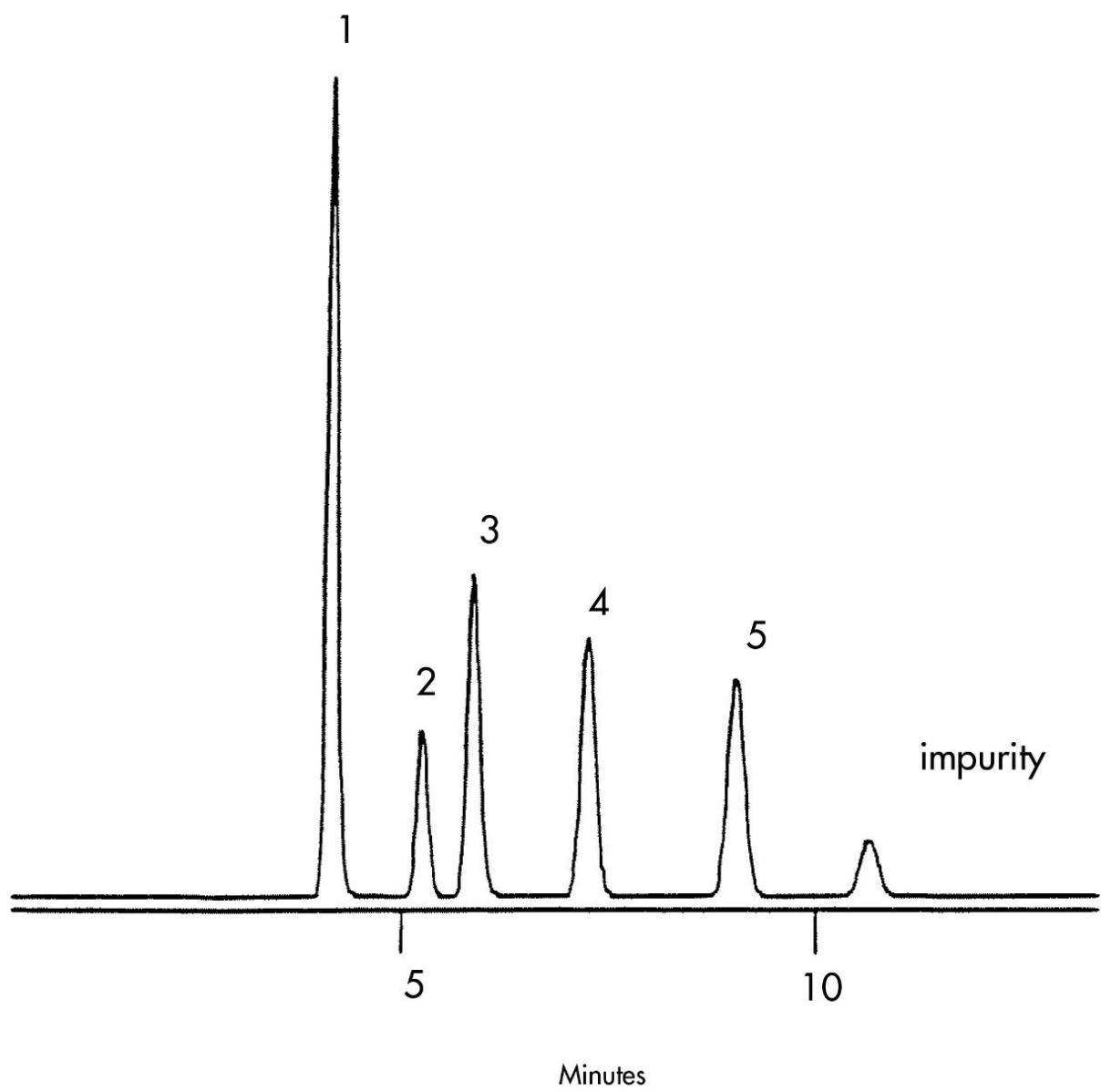
Injection volume: 5  $\mu$ L of 40.74  $\mu$ g/mL

Detection: UV @ 240 nm

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## Results and Discussion





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## Featured Products

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