

Chlordiazepoxide and Metabolites

Waters Corporation



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

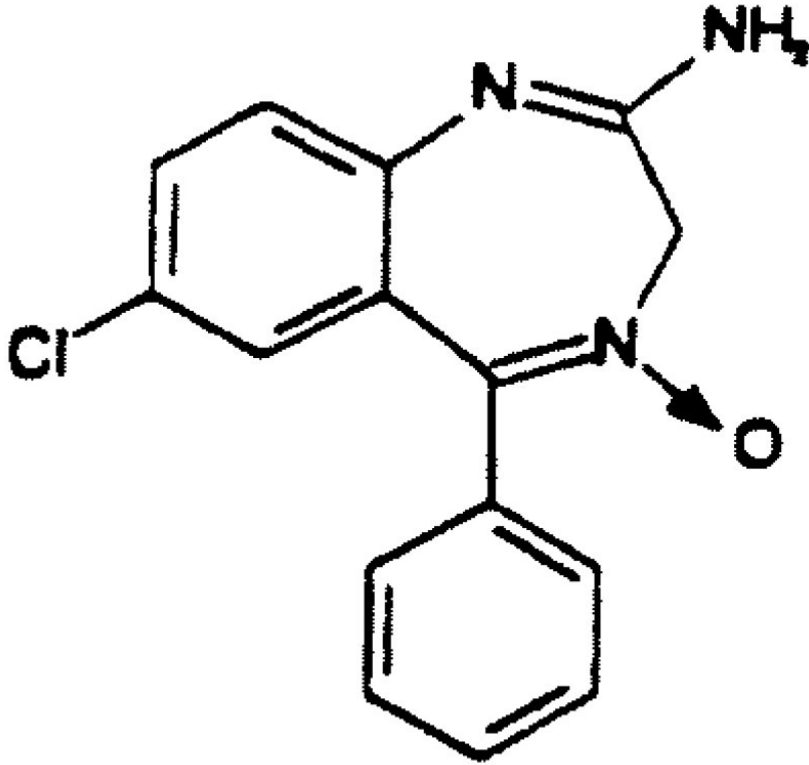
Abstract

This application brief demonstrates analysis of chlordiazepoxide and metabolites.

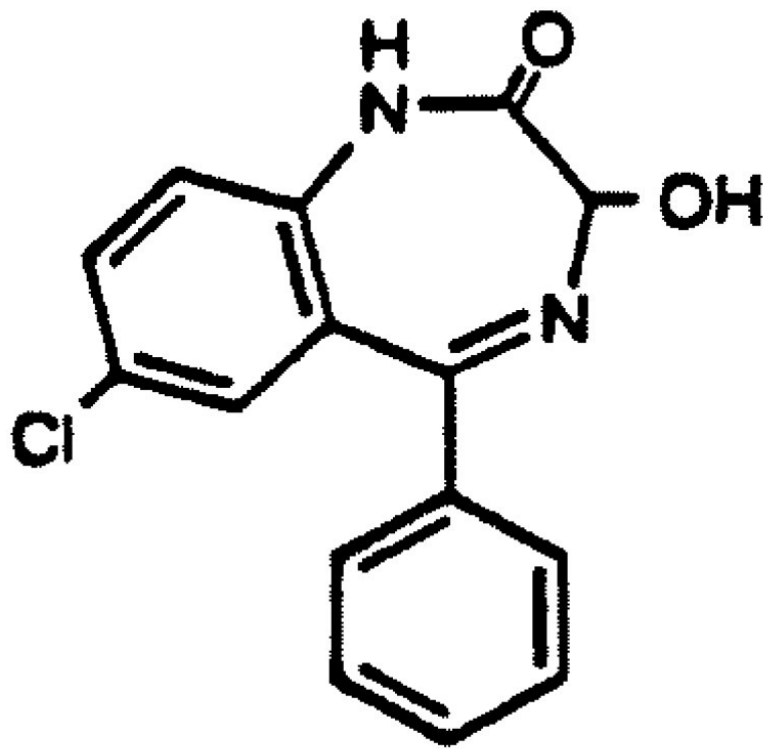
Introduction

The compounds used in this study are -

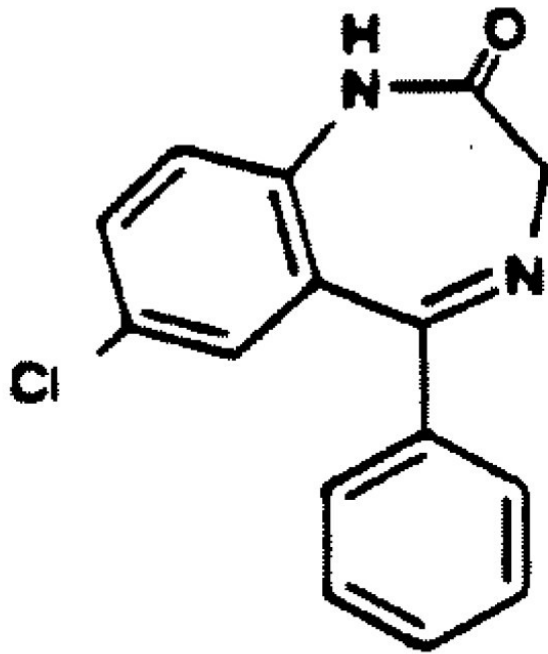
| Compounds | USP Tailing Factors |
|---------------------|---------------------|
| Norchlordiazepoxide | 1.1 |
| Oxazepam | 1.2 |
| Nordiazepam | 1.1 |
| Chlordiazepoxide | 1.2 |
| Demoxepam | 1.1 |



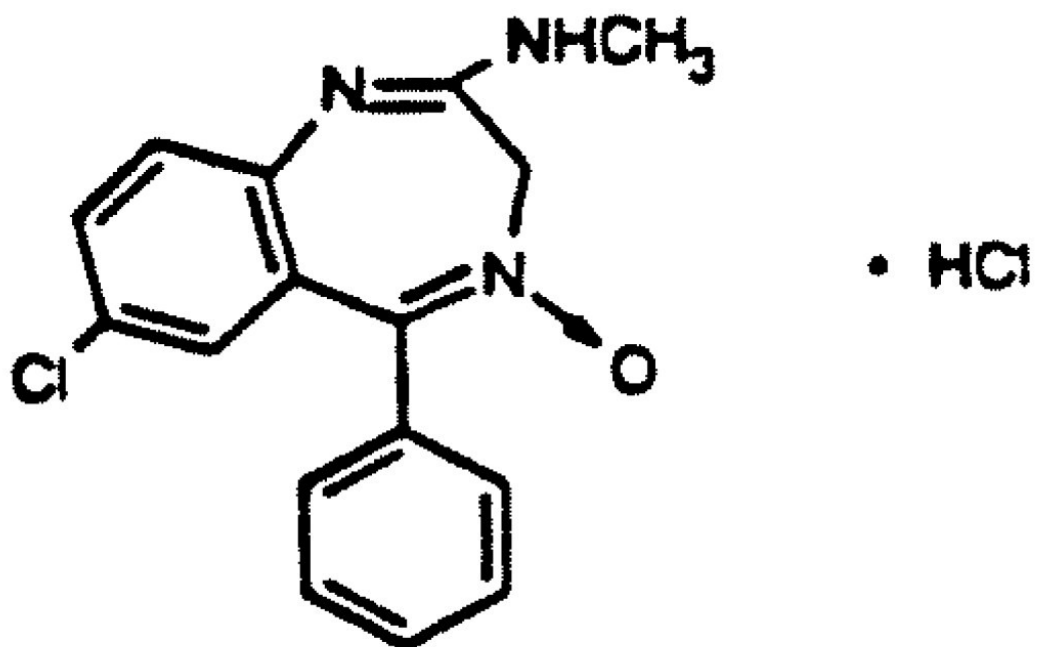
1. Norchlordiazepoxide



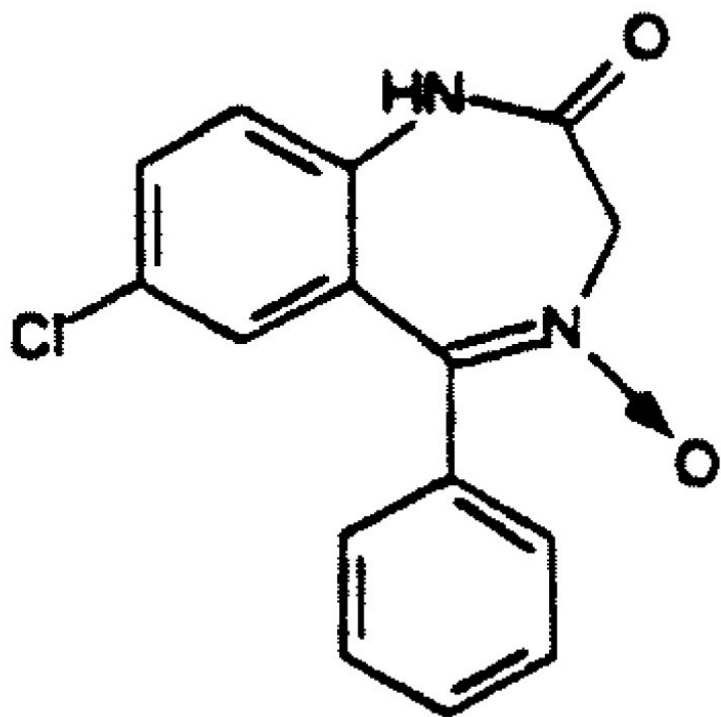
2. Oxazepam



3. Noradiazepam



4. Chlordiazepoxide



5. Demoxepam

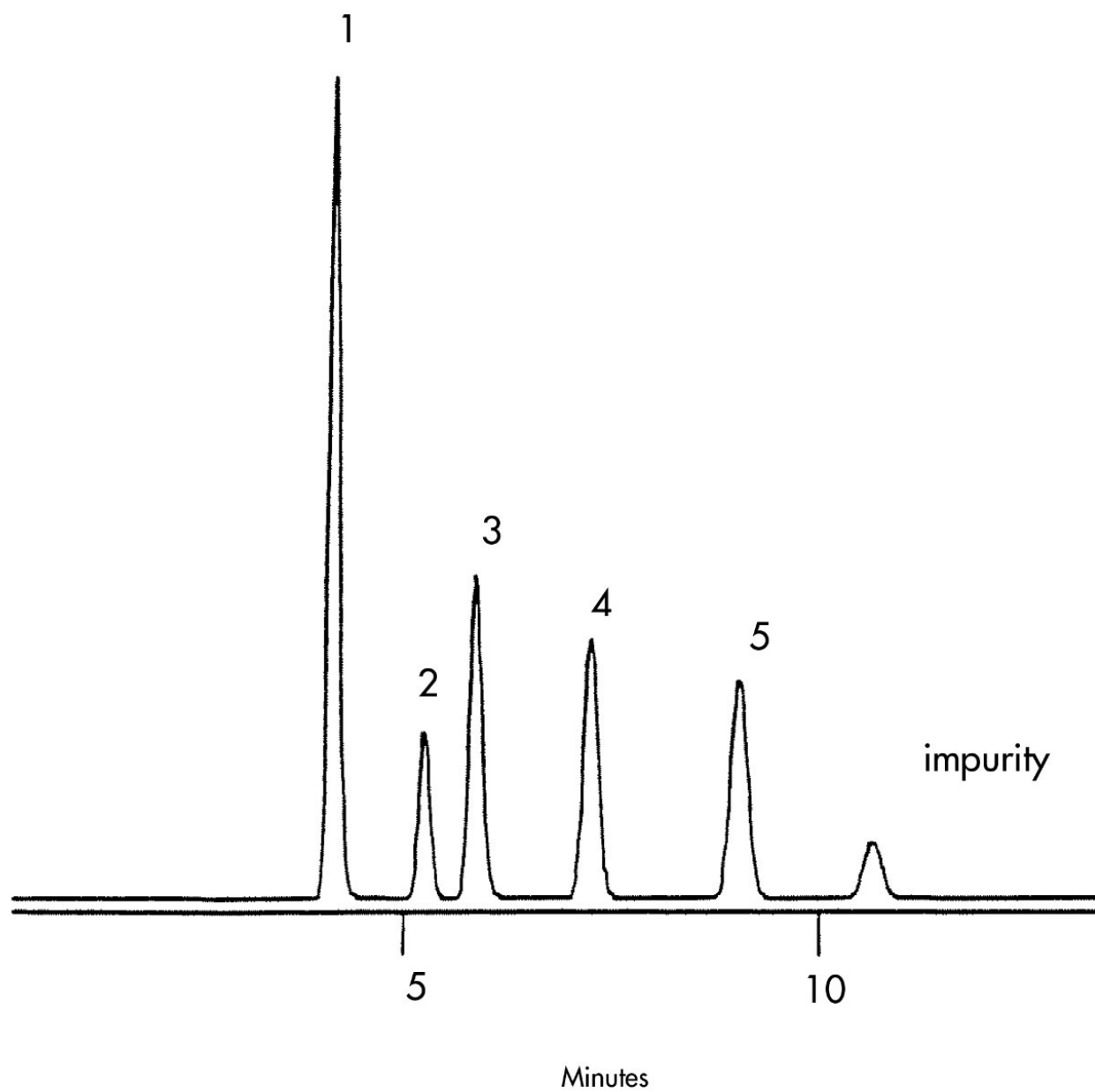
Experimental

HPLC Method

| | |
|---------------|--|
| Column: | Symmetry C ₁₈ , 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 μ L of 40.74 μ g/mL
Detection: UV @ 240 nm

Results and Discussion



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WA31763.53, June 2003



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