

## Flunitrazepam and Related Compounds

---

Waters Corporation



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

---

### Abstract

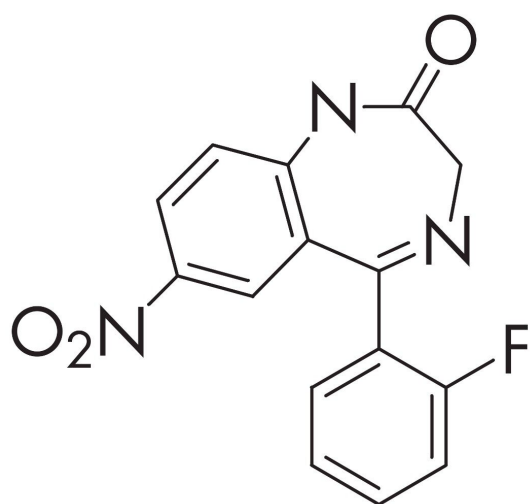
This application brief demonstrates analysis of flunitrazepam and related compounds.

---

## Introduction

The compounds used in this study are –

1. 7-Aminonitrazepam
2. 7-Aminoclonazepam
3. 7-Aminoflunitrazepam
4. Nitrazepam
5. Clonazepam
6. Flunitrazepam



**Flunitrazepam**

---

## Experimental

### HPLC Method

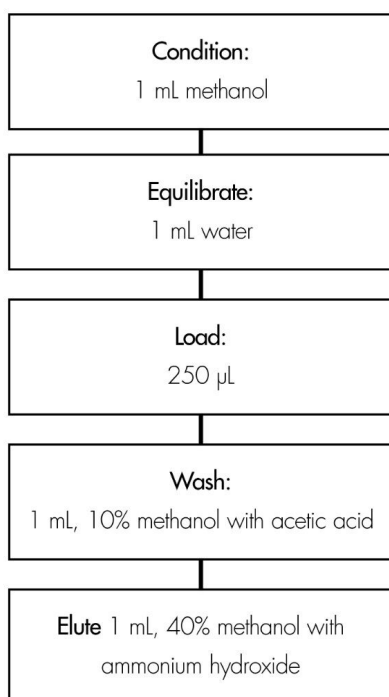
Column:

Symmetry Shield RP<sub>8</sub>, 3.9 x 150 mm, 5 μm

Part number:	WAT200655
Mobile phase:	Water/Acetonitrile 70:30
Flow rate:	1.5 mL/min
Injection volume:	100 µL
Temperature:	Ambient
Detection:	UV @ 220 nm

### Oasis® HLB Extraction Method

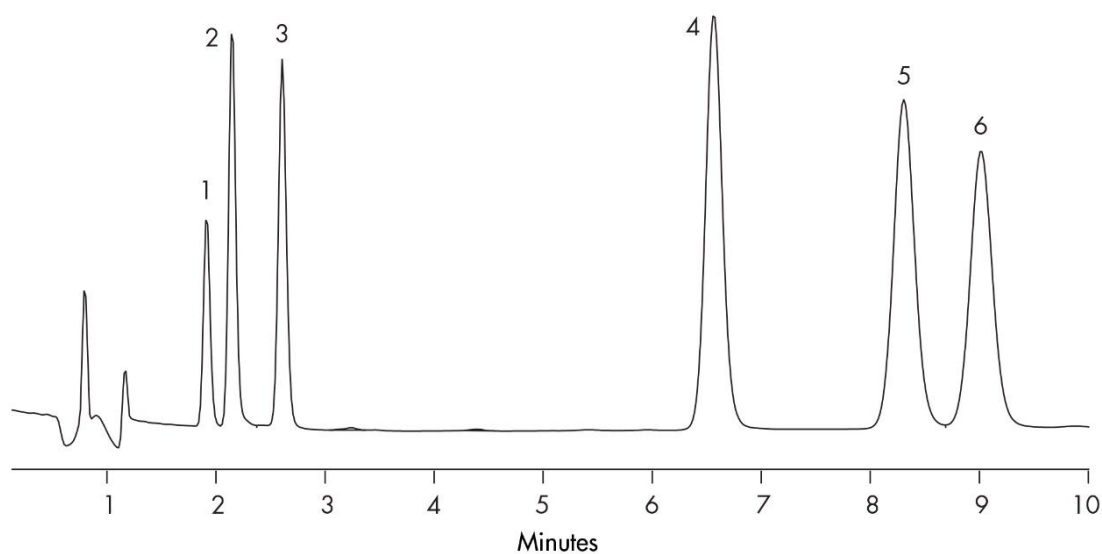
Oasis® HLB Extraction Plate, 30 mg 96-well  
Part Number WAT05895 1



---

## Results and Discussion

Compounds	% Recovery
7-Amino Nitrazepam	118
7-Amino Clonazepam	100
7-Amino Flunitrazepam	95.9
Nitrazepam	93.7
Clonazepam	101
Flunitrazepam	85.9



---

## Featured Products

WA31763.86, June 2003

© 2021 Waters Corporation. All Rights Reserved.