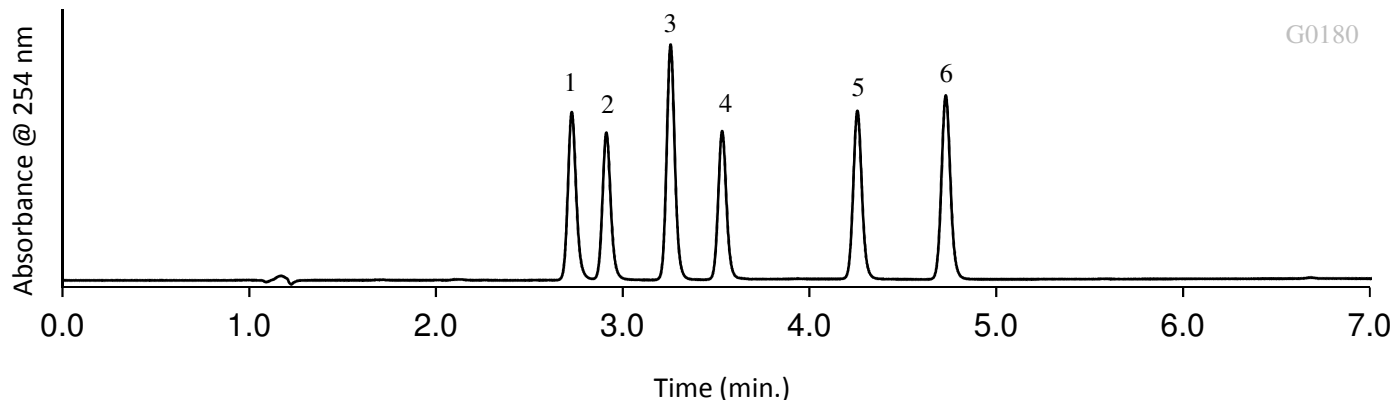


## Separation of Benzodiazepines on HALO® PFP, 5µm



### TEST CONDITIONS:

Column: HALO 90 Å PFP, 5 µm, 4.6 x 100mm

Part Number: 95814-609

Mobile Phase A: 25 mM Ammonium acetate pH: 5.5

Mobile Phase B: Acetonitrile

Gradient: 

Time	%B
0.0	36
7.0	65

Flow Rate: 0.75 mL/min

Pressure: 46 bar

Temperature: 35°C

Detection: UV 254 nm

Injection Volume: 1.0 µL

Response Time: <0.12 sec

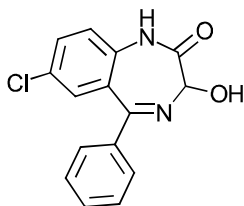
Flow Cell: 5 µL semi-micro

LC System: Agilent 1100

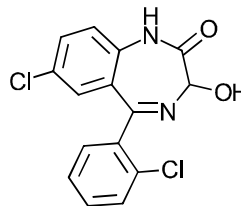
### PEAK IDENTITIES:

- |               |                  |
|---------------|------------------|
| 1. Oxazepam   | 4. Clonazepam    |
| 2. Lorazepam  | 5. Flunitrazepam |
| 3. Nitrazepam | 6. Diazepam      |

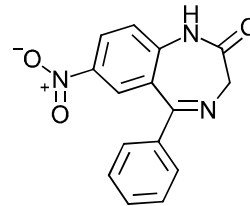
### STRUCTURES:



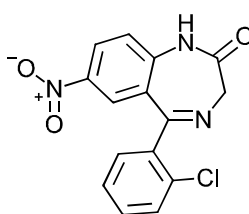
Oxazepam



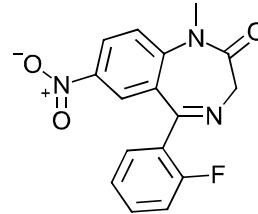
Lorazepam



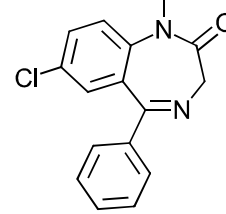
Nitrazepam



Clonazepam



Flunitrazepam



Diazepam

Benzodiazepines are a class of compounds known to be minor tranquilizers, which are mainly used to treat anxiety, insomnia, and seizures in people, as well as animals. A separation of six benzodiazepines is performed on a HALO® 5µm PFP column.