

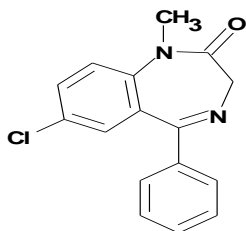
## Product Information

### Diazepam solution

1.0 mg/mL±5% in methanol  
analytical standard, for drug analysis

Catalog Number **D9900**  
Lot Number SLBC0394V  
Storage Temperature 2–8 °C

CAS RN 439-14-5  
Synonyms: 7-Chloro-1,3-dihydro-1-methyl-5-phenyl-2H1,4-benzodiazepin-2-one, Methyl diazepam, Diacepin



### Product Description

Molecular Formula: C<sub>16</sub>H<sub>13</sub>ClN<sub>2</sub>O  
Molecular Weight: 284.74

DEA Class: Exempt preparation of Class IV

Concentration: 1.04 mg of diazepam/mL of GC grade methanol, concentration verified by UV.

Expiration Date: April 2015

### Precautions and Disclaimer

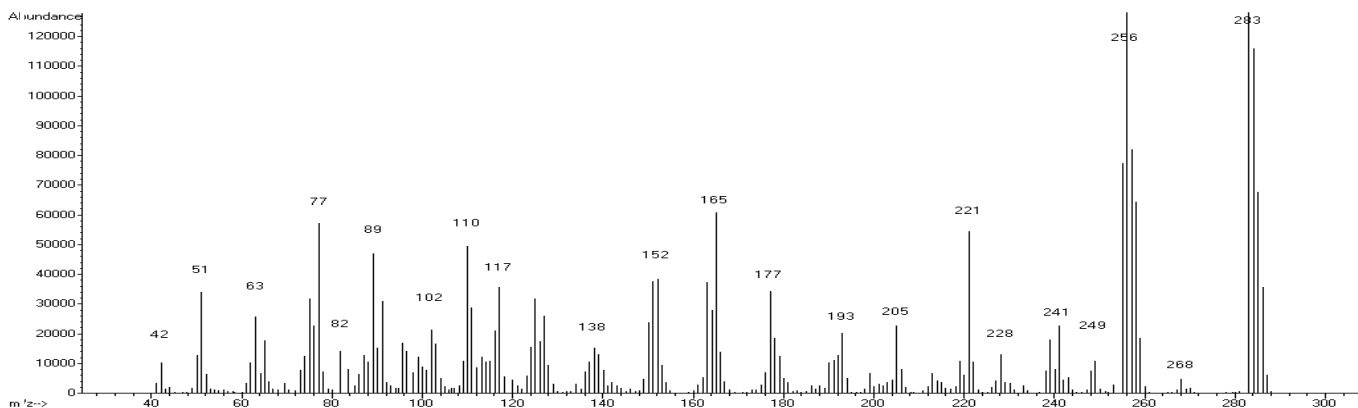
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

### Storage/Stability

Store the product at 2–8 °C. If stored at 2–8 °C in an airtight container, protected from light, decomposition of the product is less than 1% in 36 months. After opening, concentration may change due to loss of solvent.

CMW,MAM 02/16-1

### 70 eV Electron Ionization Mass Spectrum



Hewlett-Packard 6890 Series II Gas Chromatograph  
Hewlett-Packard 5973 Mass Selective Detector  
Hewlett-Packard G1701DA MS ChemStation (HP-DOS series)

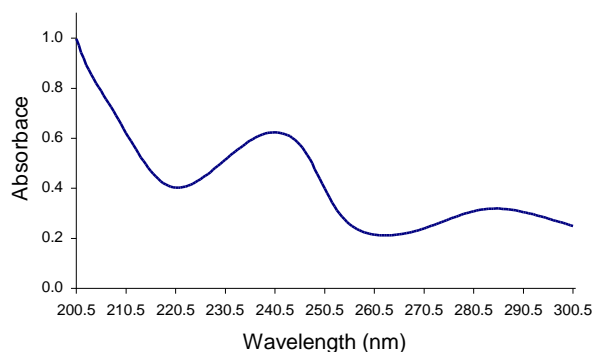
### FT-IR



Nicolet 380 FT-IR with Thermo Smart Orbit attachment

### Ultraviolet Spectrum

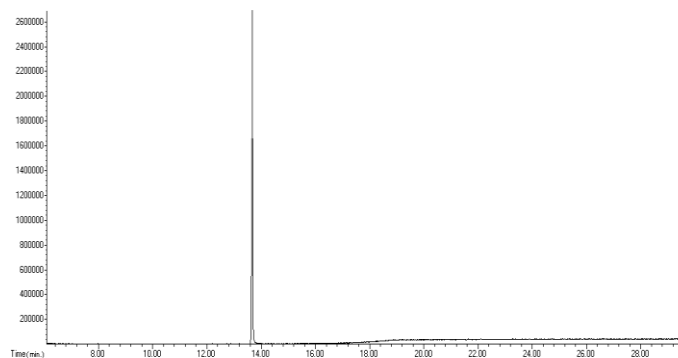
<b>Peak</b>	240.0 nm
<b>Absorbance</b>	0.6186
<b>Solvent</b>	0.2 N H <sub>2</sub> SO <sub>4</sub>
<b>Dilution</b>	1:199 (v/v)



Beckman-Coulter DU 800

### Capillary Gas Chromatography

**Column** Supelco SPB-1 (Catalog Number 24162)  
**I.D.** 0.20 mm **Length** 15 m **Film Thickness** 0.20 μm  
**Oven Temperature** 50 °C (2 minutes), then 15 °C/minute to 300 °C, hold 11 minutes  
**Injector Temperature** 250 °C, Splitless  
**Detector** Hewlett-Packard 5973  
Mass Selective Detector (70 eV, 40-500 m/z)



Hewlett-Packard 6890