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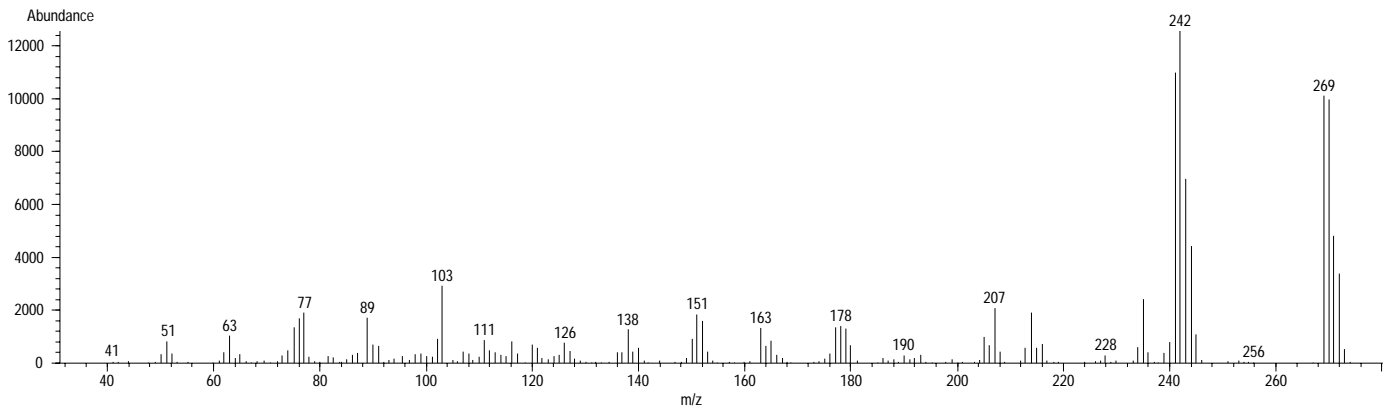
## Product Information

### DESMETHYLDIAZEPAM

Methanol Solution

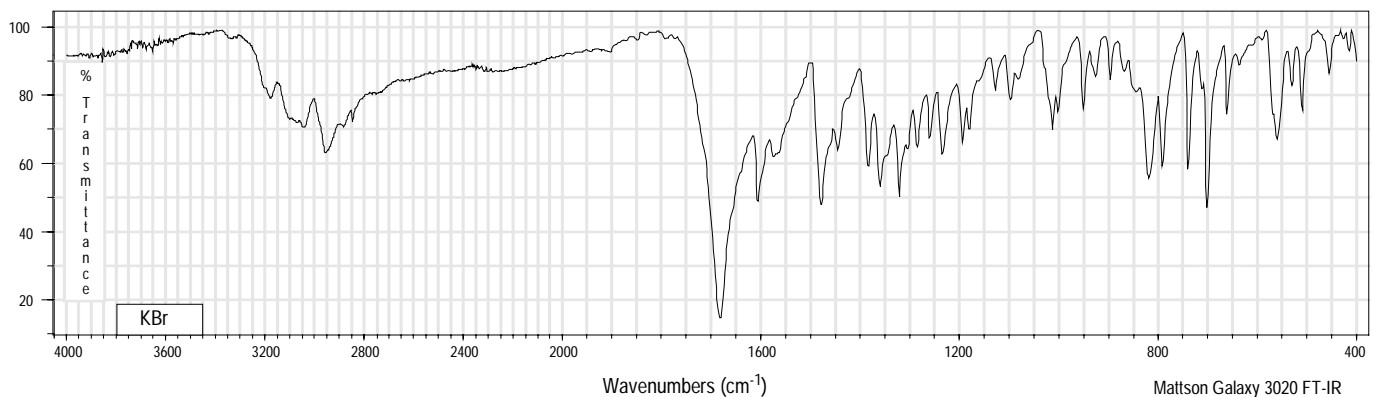
<b>Product Number</b>	D 3162	<b>Synonyms</b>	Demethyldiazepam, Nordazepam, Nordiazepam
<b>Lot Number</b>	22K8806	<b>Stability</b>	If stored at 2-8°C in an air tight container, protected from light, decomposition of the product is less than 1% in 24 months. After opening, concentration may change due to loss of solvent.
<b>CAS Number</b>	[1088-11-5]	<b>Expiration Date</b>	October 2004
<b>Concentration</b>	1.00 mg Desmethyldiazepam/mL GC grade methanol (conc. verified by UV)	<b>Storage</b>	2-8°C; After opening, transfer contents to small vial provided for your convenience.
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>11</sub> ClN <sub>2</sub> O		
<b>Molecular Weight</b>	270.7		
<b>DEA Class</b>	Exempt preparation of Class IV		

70 eV Electron Ionization Mass Spectrum



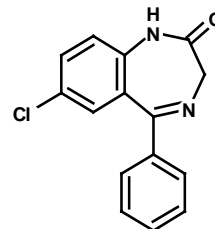
Hewlett-Packard 5890 Series II Gas Chromatograph  
Hewlett-Packard 5971 Mass Selective Detector  
Hewlett-Packard G1034C MS ChemStation (HP-DOS series)

### FT-IR



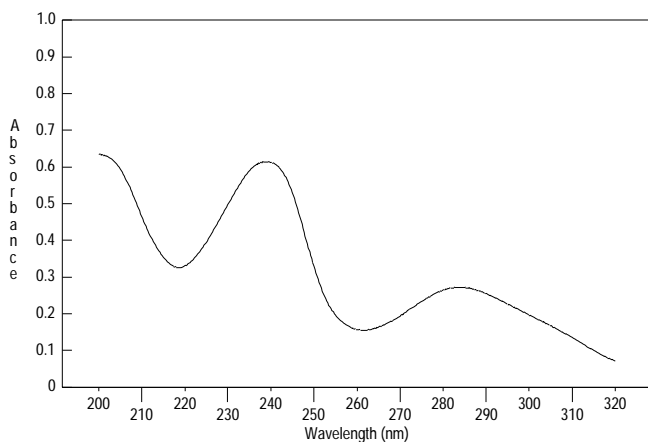
# DESMETHYLDIAZEPAM

Methanol Solution  
Product Number D 3162  
Lot Number 22K8806



## Ultraviolet Spectrum

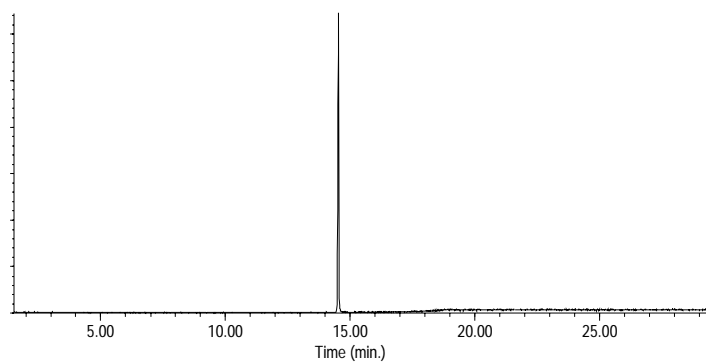
**Peak** 239.0 nm  
**Absorbance** 0.614  
**Solvent** 0.2 N H<sub>2</sub>SO<sub>4</sub>  
**Dilution** 1 : 199 (v/v)



Bio-Tek Uvikon XL

## Capillary Gas Chromatography

**Column** Supelco SPB-1 (Cat. No. 2-4162)  
**I.D.** 0.20 mm **Length** 15 m **Film Thickness** 0.20  $\mu$ m  
**Oven Temperature** 50°C (2 min.), then 15°/min. to 300°C, hold 11 min.  
**Injector Temperature** 250°C, Split  
**Detector** Hewlett-Packard 5971  
Mass Selective Detector (70 eV, 40-500 m/z)



Hewlett-Packard 5890

D 3162/22K8806/02/25/02

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