



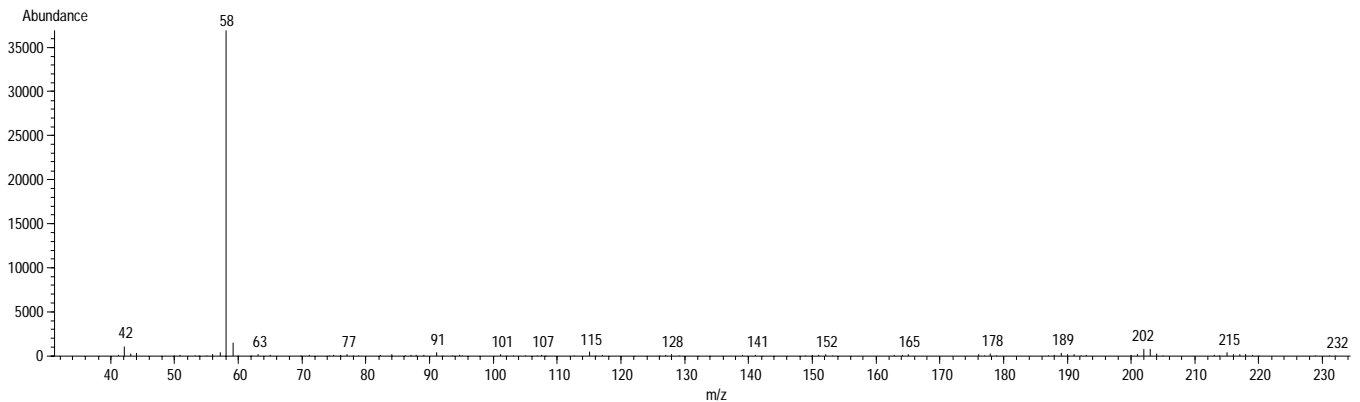
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## Product Information

### AMITRIPTYLINE HYDROCHLORIDE

Methanol Solution

<b>Product Number</b>	A 8535	<b>Synonyms</b>	3-(10,11-Dihydro-5H-dibenzo(a,d)-cyclohepten-5-ylidene)-N,N-dimethyl-1-propanamine Hydrochloride
<b>Lot Number</b>	42K8801	<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 48 months. After opening, concentration may change due to loss of solvent.
<b>CAS Number</b>	[549-18-8]	<b>Expiration Date</b>	December 2006
<b>Concentration</b>	1.12 mg Amitriptyline Hydrochloride (equivalent to 0.99 mg free base)/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>20</sub> H <sub>23</sub> N•HCL	<b>DEA Class</b>	Preparation of a 70 eV Electron Ionization Mass Spectrum
<b>Molecular Weight</b>	313.9		



non-controlled substance

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

FT-IR

Wavenumbers (cm<sup>-1</sup>)

Mattson Galaxy 3020 FT-IR

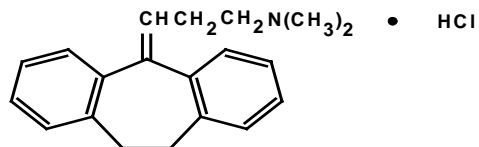


# AMITRIPTYLINE HYDROCHLORIDE

Methanol Solution

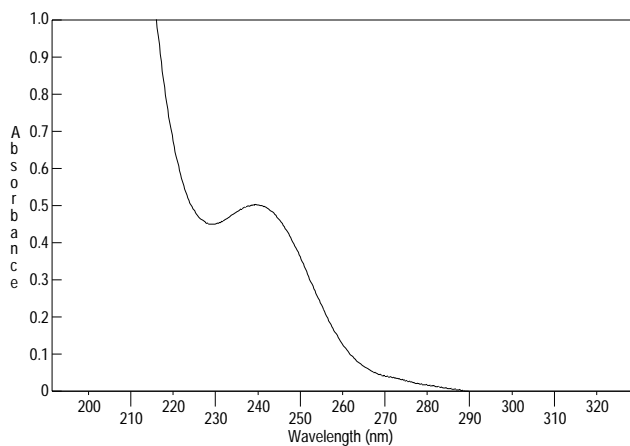
Product Number A 8535

Lot Number 42K8801



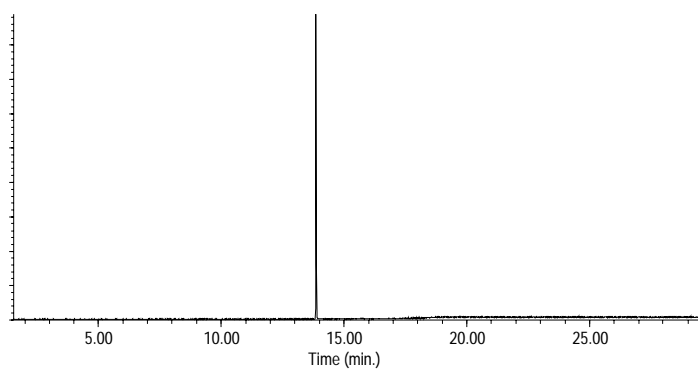
## Ultraviolet Spectrum

Peak	239.5 nm
Absorbance	0.502
Solvent	0.2 N H <sub>2</sub> SO <sub>4</sub>
Dilution	1 : 99 (v/v)



## Capillary Gas Chromatography

**Column** Supelco SPB-1 (Cat. No. 2-4162)  
**I.D.** 0.20 mm **Length** 15 m **Film Thickness** 0.20 μm  
**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)



A 8535/42K8801/04/18/02

This product is not for *in vitro* diagnostic procedures. For R&D use only. Not for drug, household or other uses.

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