

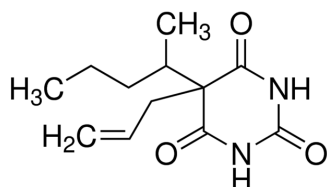
Product Information

Secobarbital solution

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

Catalog Number **S4006**
Lot Number SLBJ7469V
Storage Temperature 2–8 °C

CAS RN 76-73-3
Synonyms: Meballymal, Quinalbarbitone,
5-Allyl-5(1-methylbutyl)barbituric acid,
5-(1-Methylbutyl)-5-(2-propenyl)-2,4,6(1H,3H,5H)-
pyrimidinetrione



Product Description

Molecular Formula: C₁₂H₁₈N₂O₃
Molecular Weight: 238.28

DEA Class: Exempt preparation of Class II

Concentration: 0.99 mg of secobarbital/mL of GC grade methanol, concentration verified by UV.

Expiration Date: April 2017

Precautions and Disclaimer

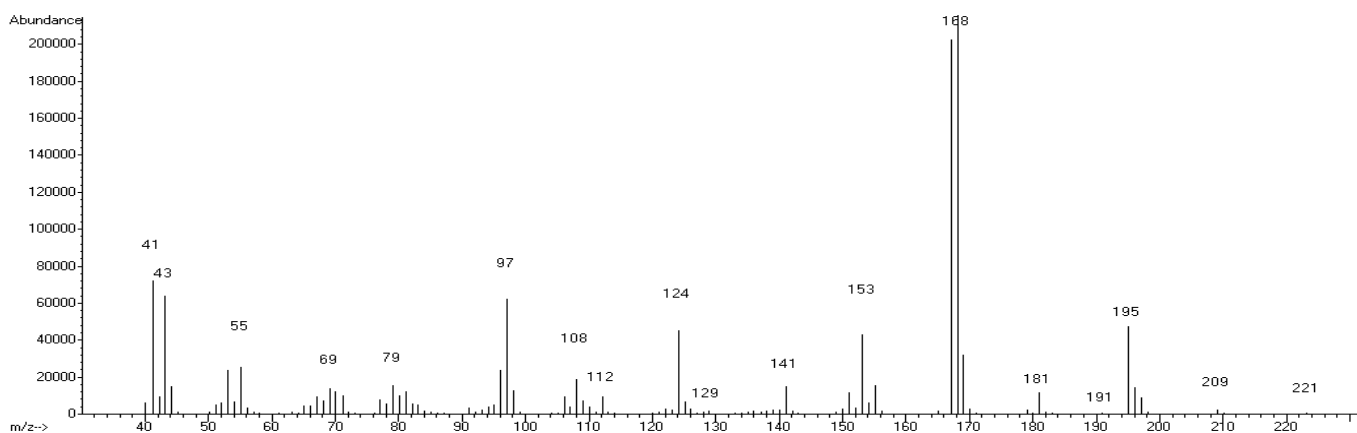
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

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 48 months. After opening, concentration may change due to loss of solvent.

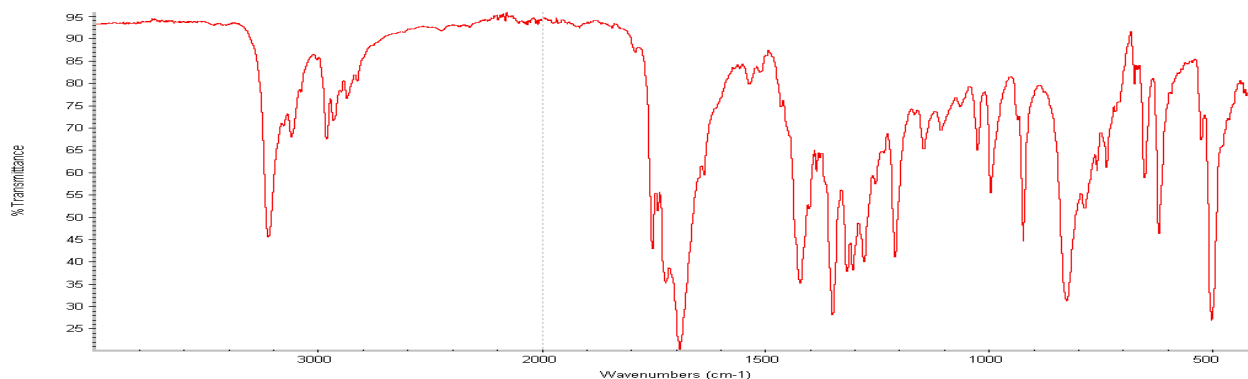
CMW,MAM 04/14-1

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)

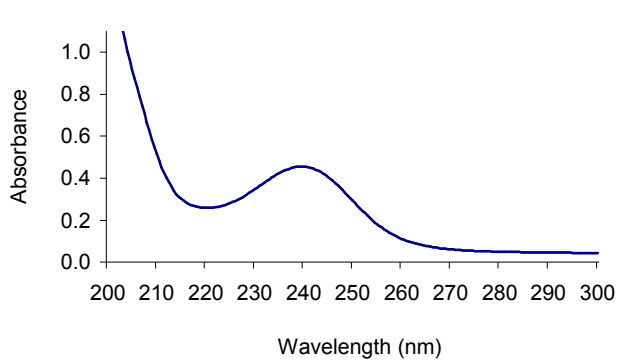
FT-IR



Nicolet 380 FT-IR (Thermo Smart Orbit)

Ultraviolet Spectrum

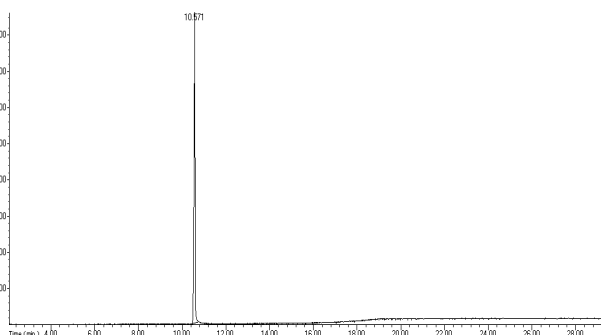
Peak	239.5 nm
Absorbance	0.4553
Solvent	50 mM Borax
Dilution	1:99 (v/v)



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 $^{\circ}\text{C}$ (2 minutes), then 15 $^{\circ}\text{C}/\text{minute}$ to 300 $^{\circ}\text{C}$, hold 11 minutes
Injector Temperature 250 $^{\circ}\text{C}$, Split
Detector Hewlett-Packard 6890
Mass Selective Detector (70 eV, 40-500 m/z)



Hewlett-Packard 6890