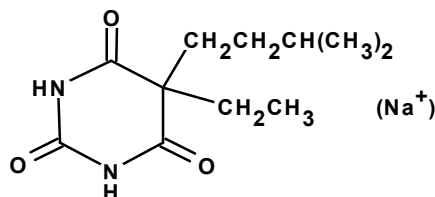


Product Information

Amobarbital sodium salt solution
1.0 mg/mL ± 5% in methanol
drug standard

Catalog Number **A7441**
Lot Number 106K8804
Storage Temperature 2–8 °C

CAS RN 64-43-7
Synonyms: 5-Ethyl-5-isoamylbarbituric acid;
Amylobarbitone



Product Description

Molecular Formula: C₁₁H₁₇N₂O₃Na
Molecular Weight: 248.3

DEA Class: Exempt preparation of Class II

Concentration: 1.10 mg Amobarbital Sodium
(equivalent to 1.00 mg Amobarbital free acid)/mL GC
grade methanol (concentration verified by UV)

Expiration Date: December 2010

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.

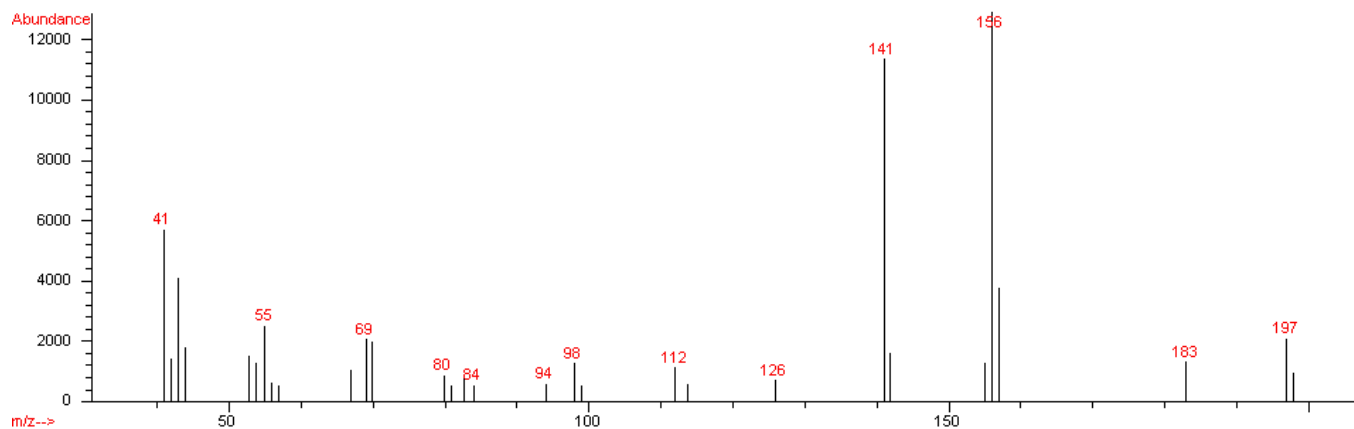
Storage/Stability

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

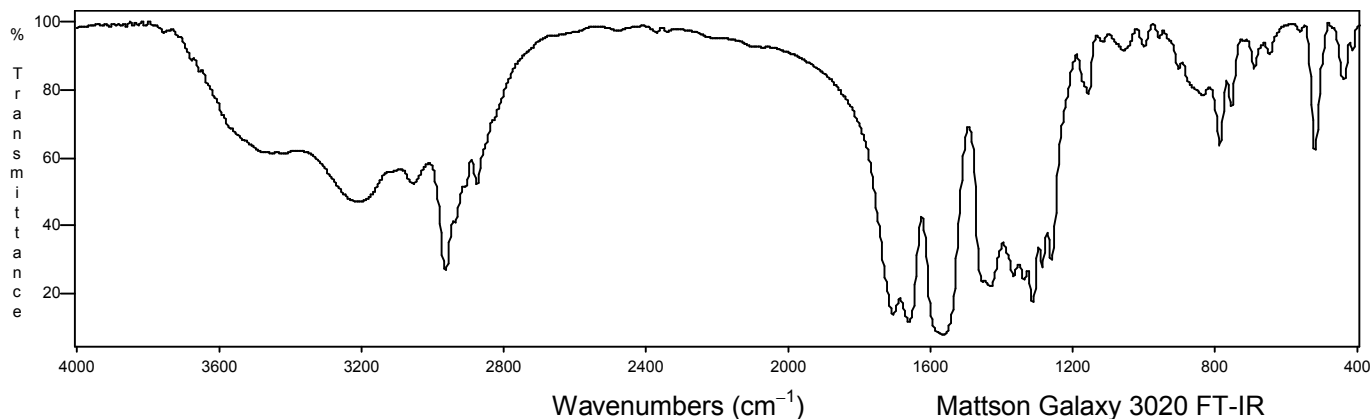
CH,PS,MAM 11/06-1

70 eV Electron Ionization Mass Spectrum



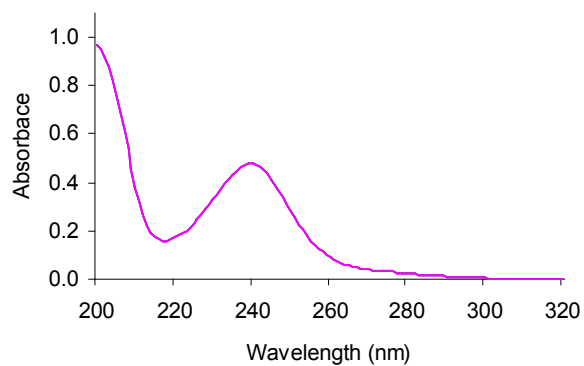
Hewlett-Packard 5890 Series II Gas Chromatograph
Hewlett-Packard 5971 Mass Selective Detector
Hewlett-Packard G1034C MS ChemStation (HP-DOS series)

FT-IR



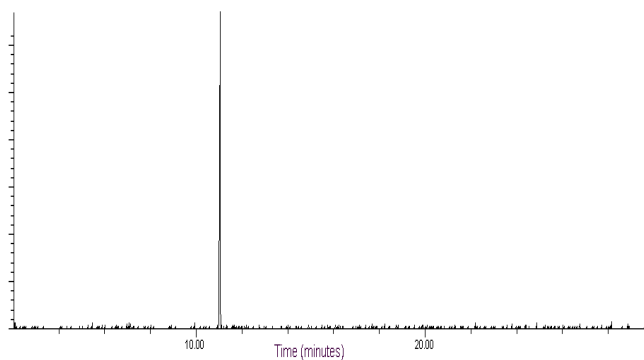
Ultraviolet Spectrum

Peak 240.0 nm
Absorbance 0.470
Solvent 50 mM Borax
Dilution 1:99 (v/v)



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, Split
Detector
Hewlett-Packard 5971
Mass Selective Detector (70 eV, 40-500 m/z)



Hewlett-Packard 5890

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