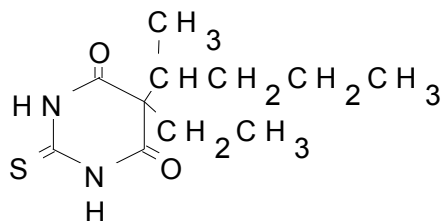


Product Information

(±)Thiopental solution 1.0 mg/mL in methanol drug standard

Product Number **T1022**
Lot Number 115K8812
Storage Temperature 2–8 °C

CAS RN 76-75-5
Synonyms: 5-Ethyldihydro-5-(1-methylbutyl)-2-thioxo-4,6(1H,5H)-pyrimidinedione; 5-Ethyl-5-(1-methylbutyl)-2-thiobarbituric acid



Product Description

Molecular Formula: C₁₁H₁₈N₂O₂S
Molecular Weight: 242.3

DEA Class: Exempt preparation of Class III

Concentration: 0.97 mg (±)Thiopental/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.

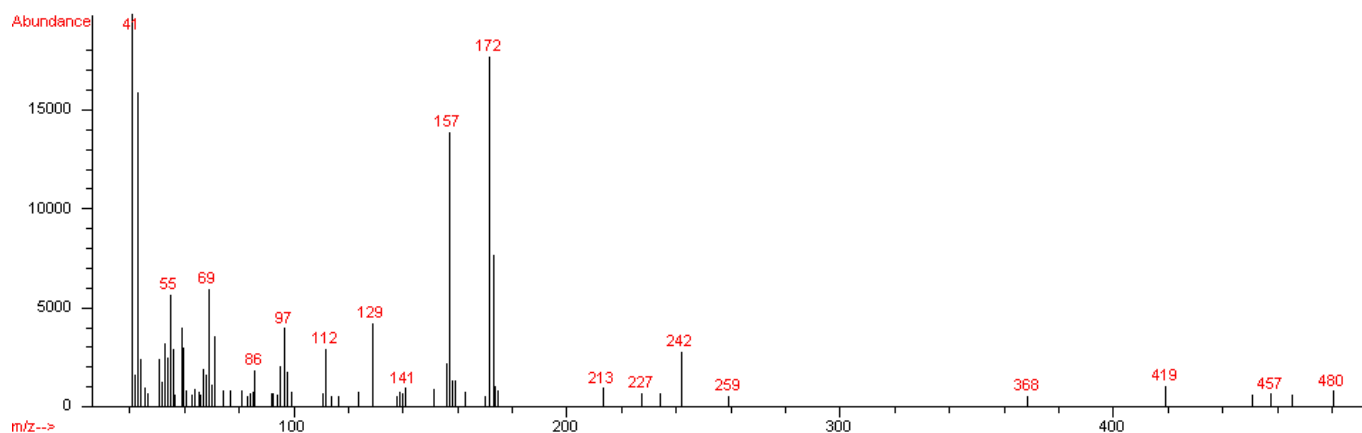
Storage/Stability

Store the standard solution at 2–8 °C. After opening, transfer contents to small vial provided for your convenience.

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.

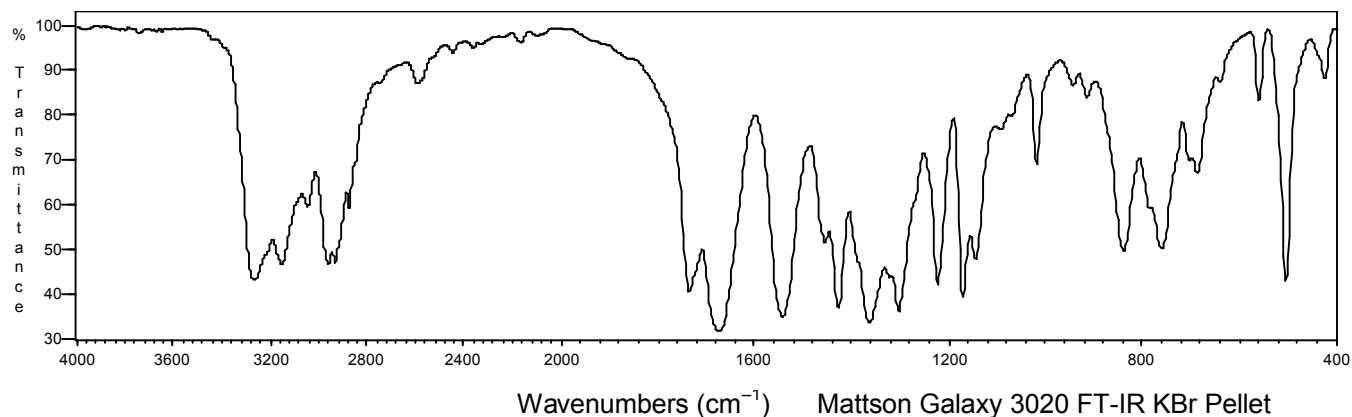
CH,PS,MAM 10/06-1

70 eV Electron Ionization Mass Spectrum



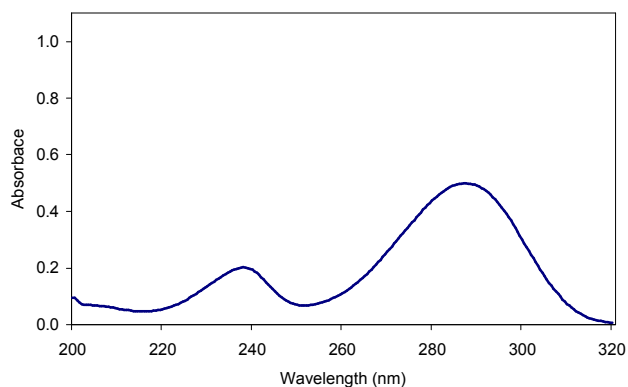
Hewlett-Packard 5890 Series II Gas Chromatograph
Hewlett-Packard 5971 Mass Selective Detector
Hewlett-Packard G1034C MS ChemStation (HP-DOS series)

FT-IR



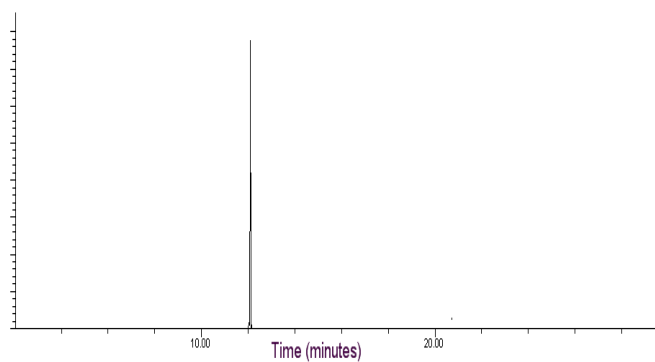
Ultraviolet Spectrum

Peak 287.0 nm
Absorbance 0.499
Solvent methanol
Dilution 1:199 (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)



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