

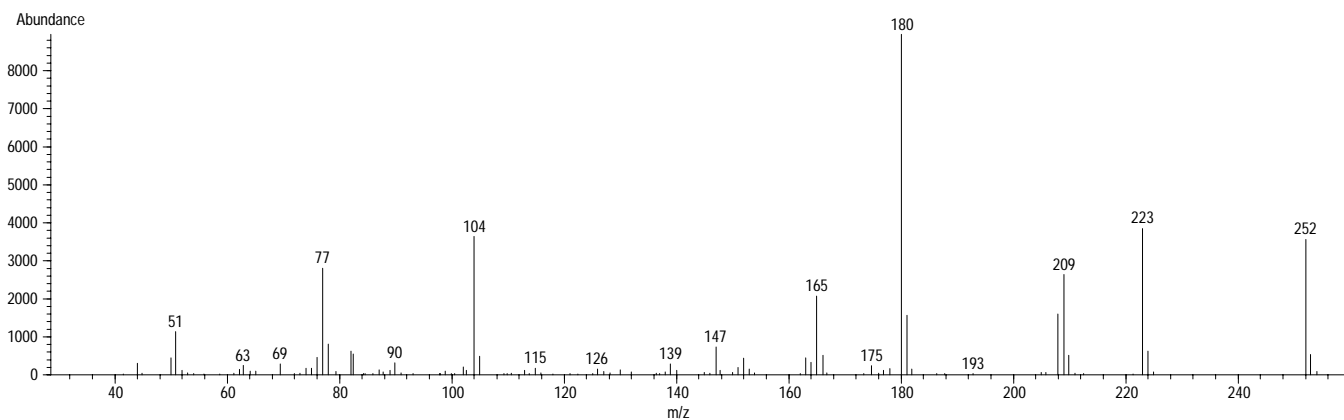
Product Information

5,5-DIPHENYLHYDANTOIN

Methanol Solution

Product Number	D 6658	Synonyms	Phenytoin, Fenitoina, Phenantoinum
Lot Number	22K88081	Stability	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.
CAS Number	[57-41-0]	Expiration Date	June 2007
Concentration	0.96 mg 5,5-Diphenylhydantoin/mL GC grade methanol (conc. verified by UV)	Storage	2-8°C; After opening, transfer contents to small vial provided for your convenience.
Molecular Formula	C ₁₅ H ₁₂ N ₂ O ₂		
Molecular Weight	252.3		
DEA Class	Formulation of a non controlled substance		

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



Wavenumbers (cm⁻¹)

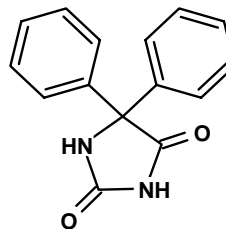
Mattson Galaxy 3020 FT-IR

5,5-DIPHENYLHYDANTOIN

Methanol Solution

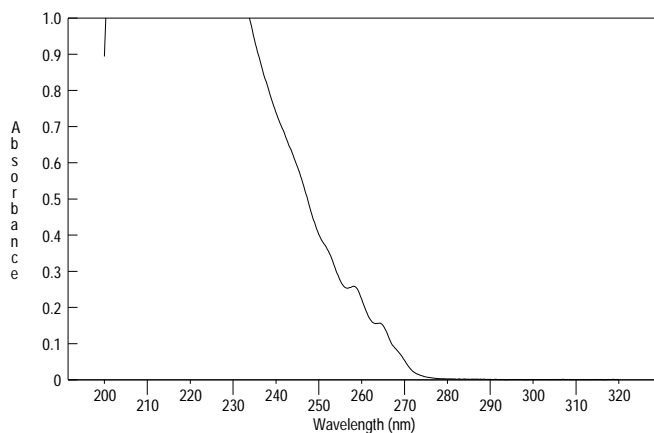
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Ultraviolet Spectrum

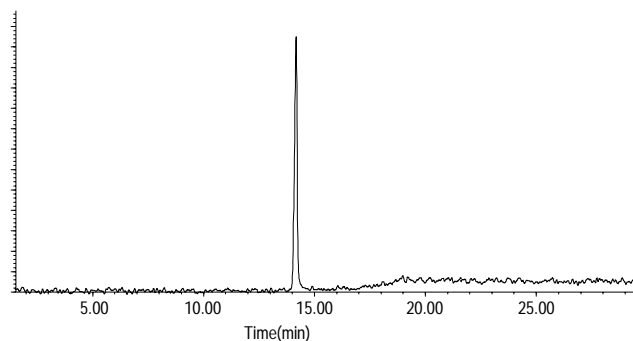
Peak	258.2 nm
Absorbance	0.258
Solvent	Methanol
Dilution	1 : 9 (v/v)



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 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)



Hewlett-Packard 5890

D 6658/22K88081/02/26/04

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