

Product Information

Codeine solution

**1.0 mg/mL±5% in methanol
drug standard**

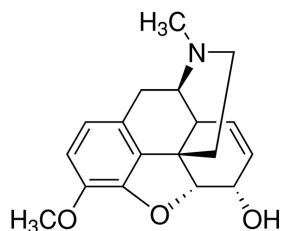
Catalog Number **C1653**

Lot Number 088K87521

Storage Temperature 2–8 °C

CAS RN 76-57-3

Synonyms: (5 α ,6 α)-7,8-Didehydro-4,5-epoxy-3-methoxy-17-methylmorphinan-6-ol; Methymorphine; Morphine monomethyl ether



Product Description

Molecular Formula: C₁₈H₂₁NO₃

Molecular Weight: 299.36

DEA Class: Exempt preparation of Class II

Concentration: 0.97 mg of codeine/mL of GC grade methanol, concentration verified by UV.

Expiration Date: September 2010

Precautions and Disclaimer

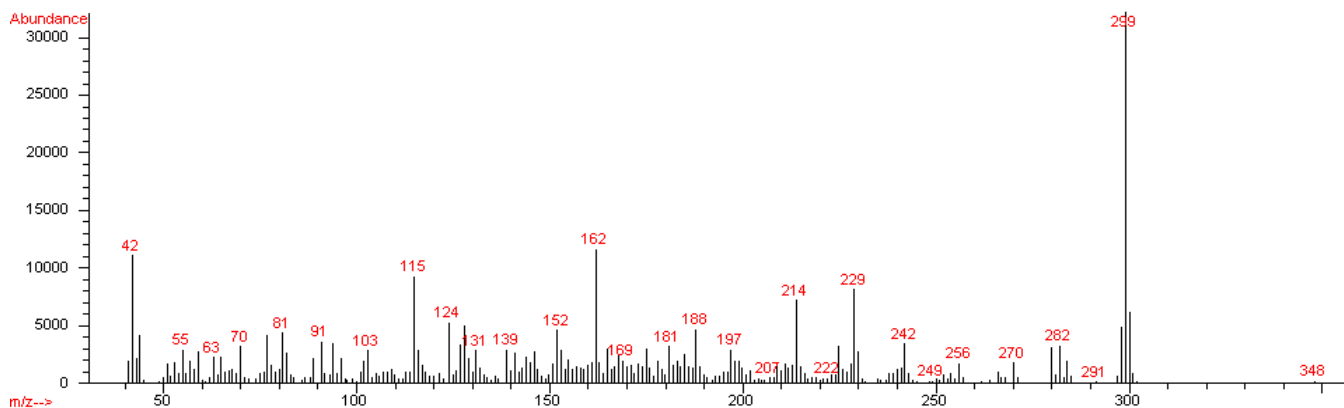
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

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.

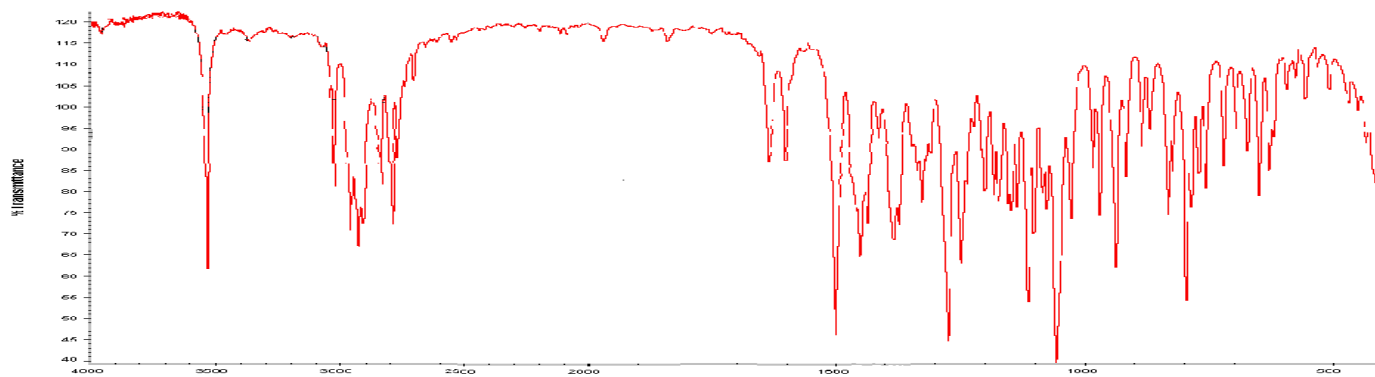
CMW,MAM 03/10-1

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)

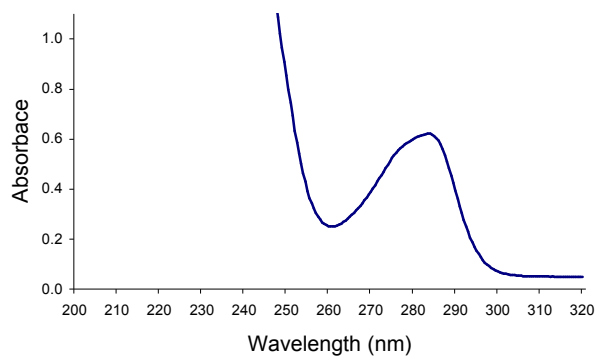
FT-IR



Wavenumbers (cm⁻¹)
Nicolet Magna IR Spectrometer Series II

Ultraviolet Spectrum

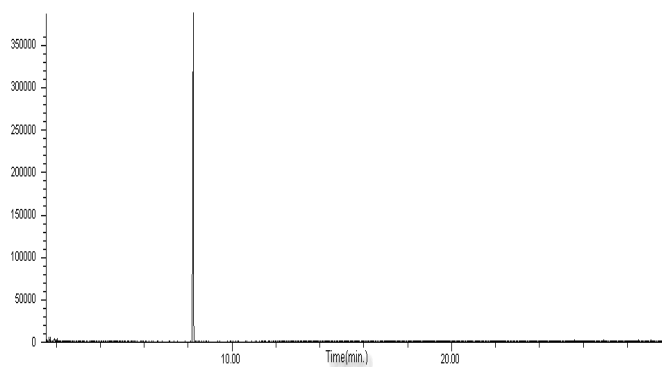
Peak	284.0 nm
Absorbance	0.6213
Solvent	0.2 N H ₂ SO ₄
Dilution	1:9 (v/v)



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 150 °C (2 minutes), then
15 °C/minute to 300 °C, hold 18 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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