

Product Information

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Morphine sulfate salt solution 1.0 mg/mL^{±5%} in methanol drug standard

Catalog Number **M9524**

Lot Number 077K5012

Storage Temperature -20 °C

CAS RN 6211-15-0

Synonyms: (5 α ,6 α)-7,8-Didehydro-4,5-epoxy-17-methylmorphinan-3,6-diol sulfate

Concentration: 1.15 mg of Morphine Sulfate (equivalent to 0.98 mg of free base)/mL of GC grade methanol (concentration corrected for water and 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

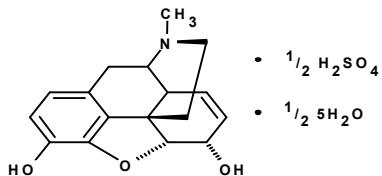
Store the product at -20 °C. If stored at -20 °C in an airtight container, protected from light, decomposition of the product is less than 1% in 24 months. After opening, concentration may change due to loss of solvent.

KSP,MAM 10/07-1

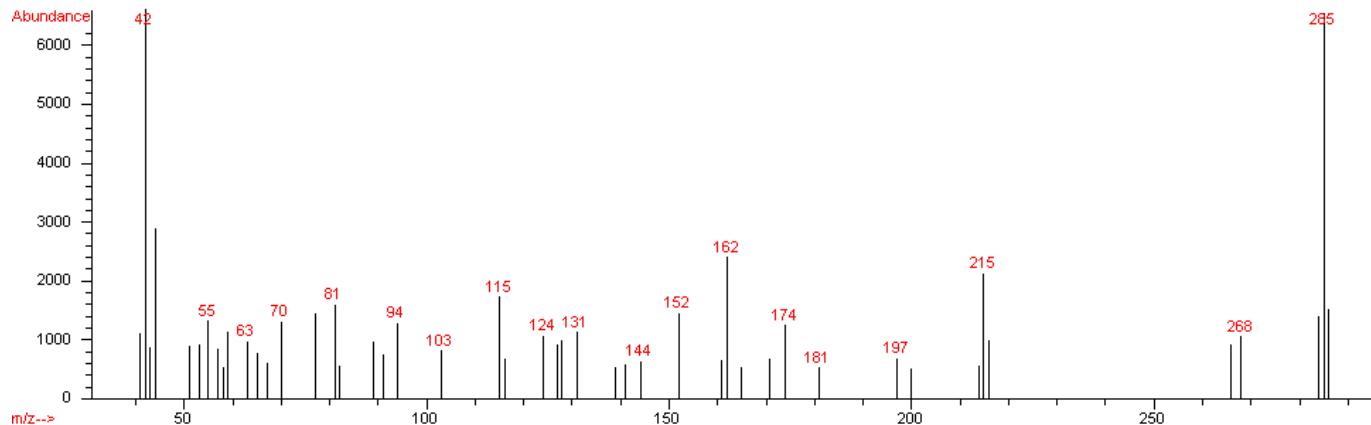
Product Description

Molecular Formula: (C₁₇H₁₉NO₃)₂ · H₂SO₄ · 5H₂O
Molecular Weight: 758.83

DEA Class: Exempt preparation of Class II



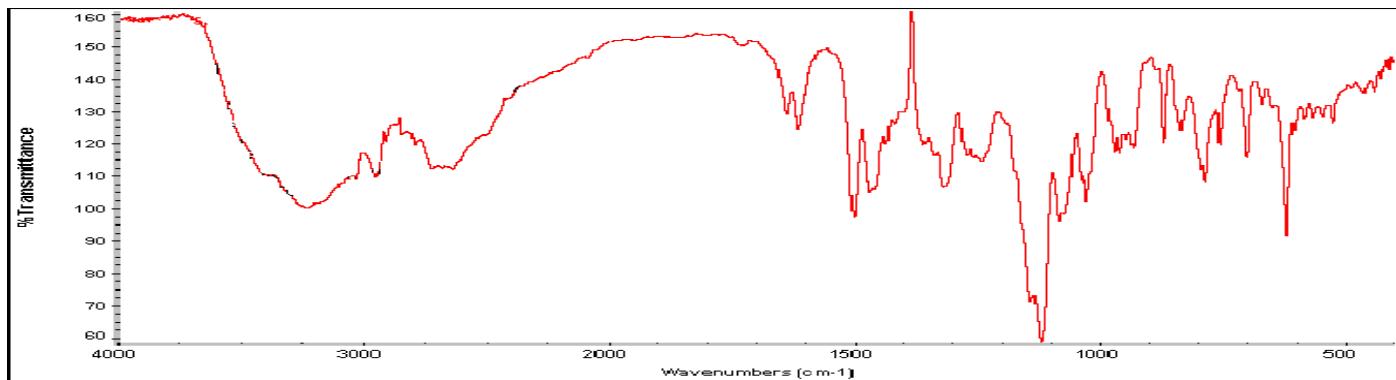
- 1/2 H₂SO₄
- 1/2 5H₂O



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

SIGMA-ALDRICH™

FT-IR



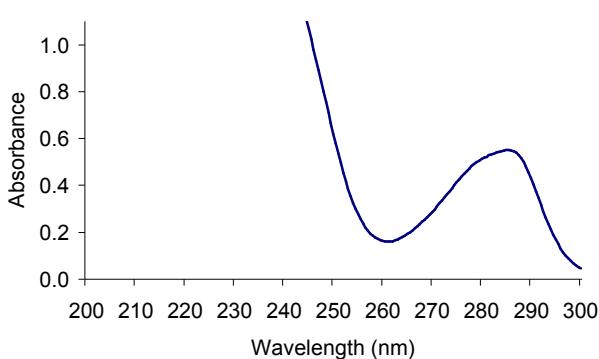
Nicolet Magna IR Spectrometer Series II

Ultraviolet Spectrum

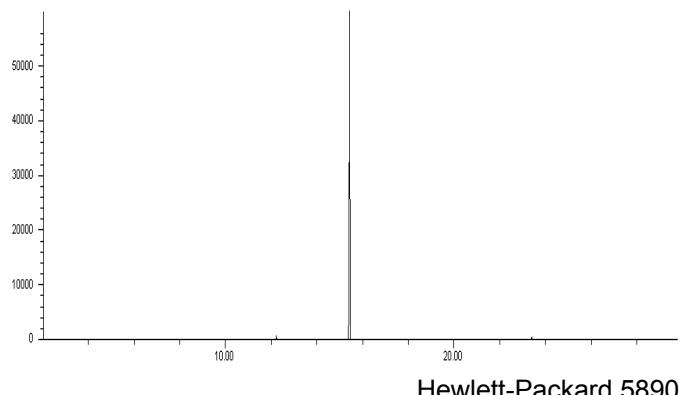
Peak 285.5 nm
Absorbance 0.551
Solvent 0.2 N H₂SO₄
Dilution 1:9 (v/v)

Capillary Gas Chromatography

Column Supelco SPB-1 (Catalog Number 24162)
I.D. 0.20 mm **Length** 15 m **Film Thickness** 0.20 μ m
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)



Bio-Tek Uvikon XL



Hewlett-Packard 5890

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