

Product Information

Morphine sulfate salt solution

1.0 mg/mL \pm 5% in methanol
 drug standard

Catalog Number **M9524**

Lot Number 080M8703

Storage Temperature -20°C

CAS RN 6211-15-0

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

Concentration: 1.18 mg of morphine sulfate (equivalent to 1.01 mg of free base)/mL of GC grade methanol (concentration verified by UV)

Expiration Date: August 2013

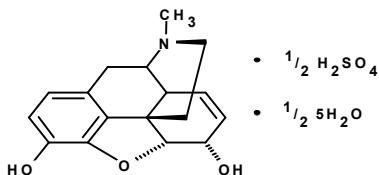
Precautions and Disclaimer

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.

CMW,MAM 08/10-1

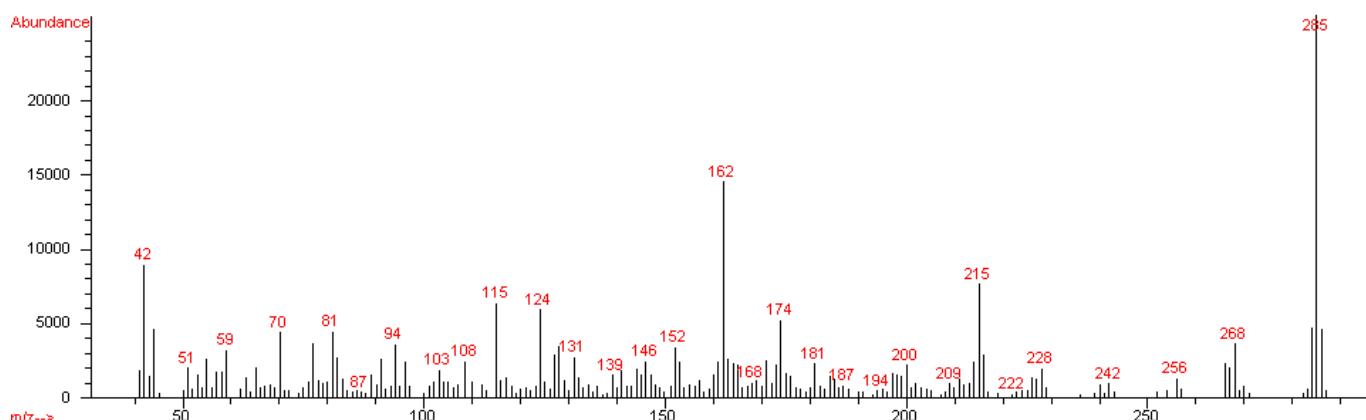


Product Description

Molecular Formula: $(\text{C}_{17}\text{H}_{19}\text{NO}_3)_2 \cdot \text{H}_2\text{SO}_4 \cdot 5\text{H}_2\text{O}$
 Molecular Weight: 758.83

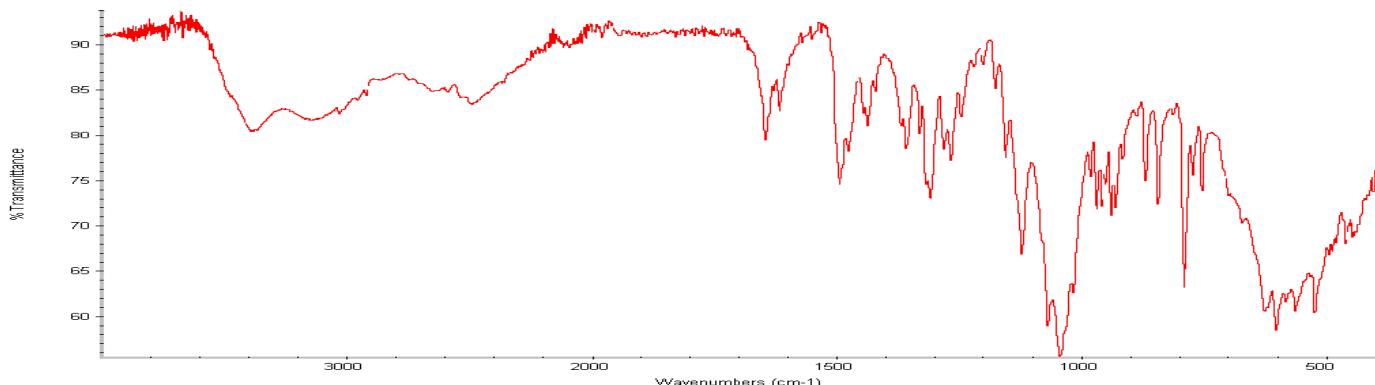
DEA Class: Exempt preparation of Class II

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



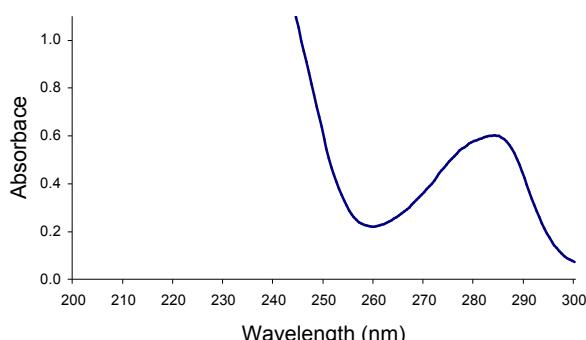
Nicolet 380 FT-IR Smart Orbit(ATR)

Ultraviolet Spectrum

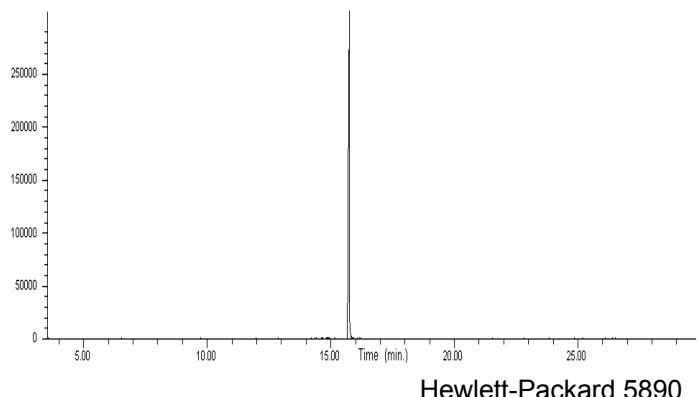
Peak	284.0 nm
Absorbance	0.6018
Solvent	0.2 N H ₂ SO ₄
Dilution	1:9 (v/v)

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



Beckman-Coulter DU 800



Hewlett-Packard 5890

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