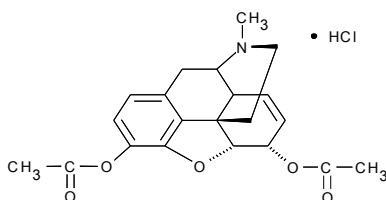


Product Information

Heroin hydrochloride solution
100 µg/mL±5% in methanol
analytical standard, for drug analysis

Catalog Number **H5144**
Lot Number SLBH6517V
Storage Temperature -20 °C

CAS RN 1502-95-0
Synonyms: Diacetylmorphine Hydrochloride,
Acetomorphine Hydrochloride, Diamorphine
Hydrochloride



Product Description

Molecular Formula: $C_{21}H_{23}NO_5 \cdot HCl$
Molecular Weight: 405.87

DEA Class: Exempt preparation of Class I

Concentration: 0.110 mg heroin hydrochloride
(equivalent to 0.100 mg of free base)/mL of GC grade
methanol (concentration verified by UV)

Expiration Date: October 2016

Precautions and Disclaimer

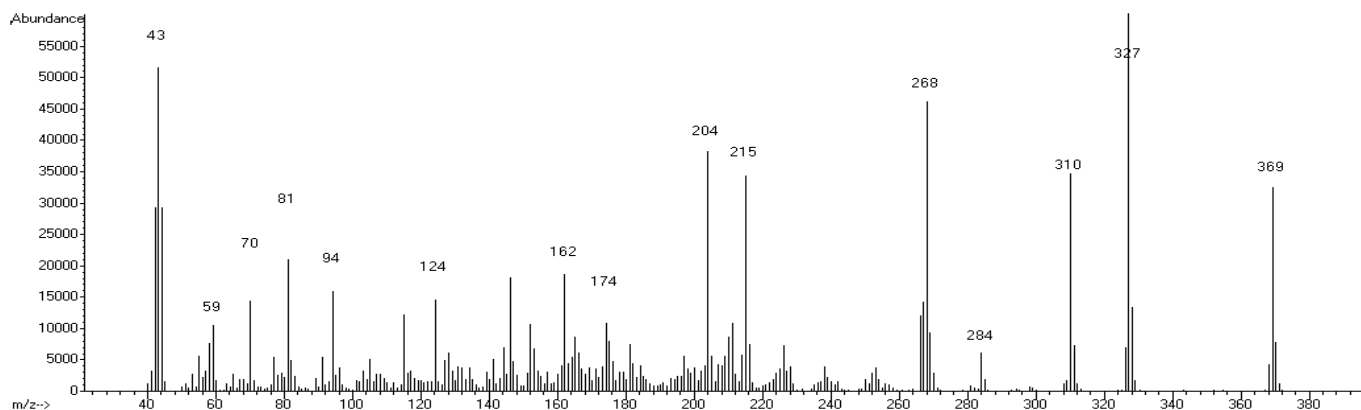
This product is for R&D use only, not for drug,
household, or other uses. Please consult the Material
Safety Data Sheet for information regarding hazards
and safe handling practices.

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 12 months. After
opening, concentration may change due to loss of
solvent.

CMW,MAM 01/16-1

70 eV Electron Ionization Mass Spectrum



Hewlett-Packard 6890 Series II Gas Chromatograph
Hewlett-Packard 5973 Mass Selective Detector
Hewlett-Packard G1701DA MS ChemStation (HP-DOS series)

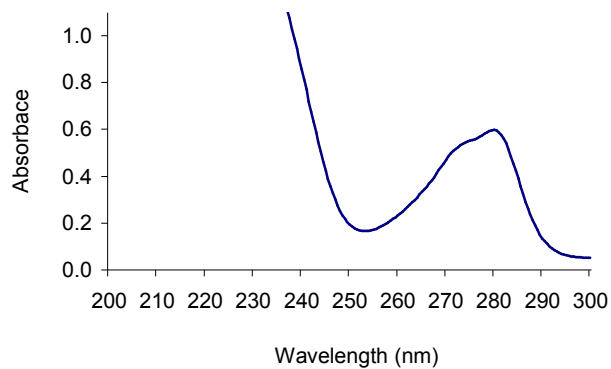
FT-IR



Nicolet 380 FT-IR with Thermo Smart Orbit attachment

Ultraviolet Spectrum

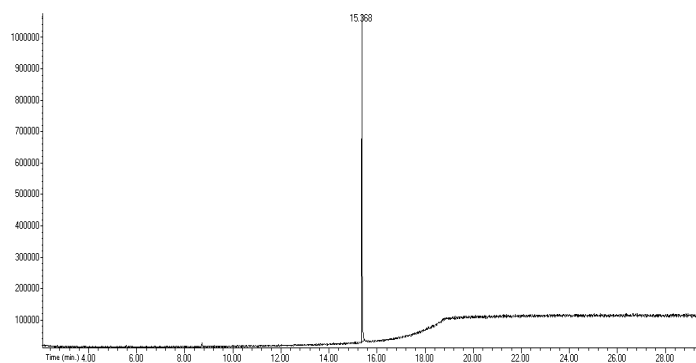
Peak	280.0 nm
Absorbance	0.5979
Dilution	Neat



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 50 $^{\circ}\text{C}$ (2 minutes), then
15 $^{\circ}\text{C}/\text{minute}$ to 300 $^{\circ}\text{C}$, hold 11 minutes
Injector Temperature 250 $^{\circ}\text{C}$, Split
Detector Hewlett-Packard 5973
Mass Selective Detector (70 eV, 40-500 m/z)



Hewlett-Packard 6890