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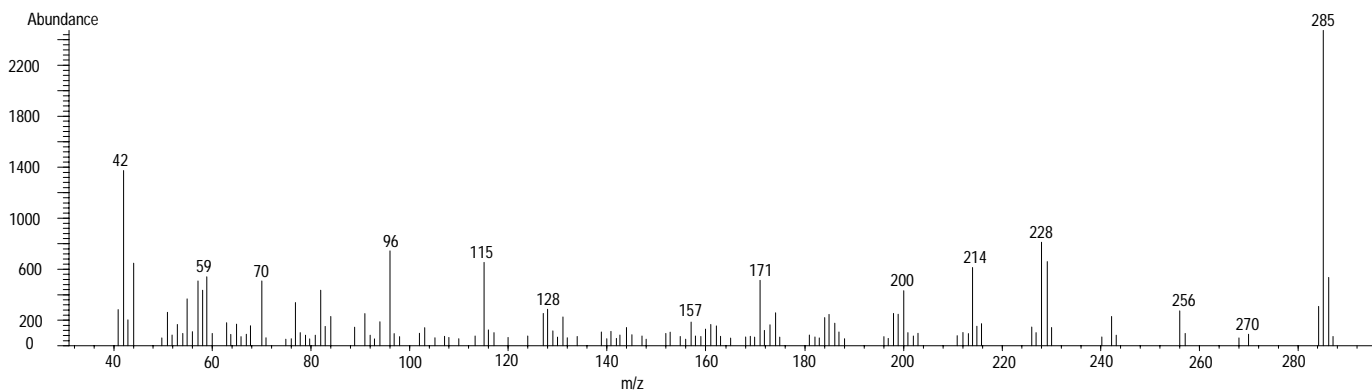
Product Information

HYDROMORPHONE HYDROCHLORIDE

Methanol Solution

| | | | |
|--------------------------|--|------------------------|--|
| Product Number | H 7141 | Synonyms | Dihydromorphinone Hydrochloride, Dimorphone Hydrochloride, Dilaudid |
| Lot Number | 91K88021 | Stability | If stored at 2-8°C in an air tight 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. |
| CAS Number | [71-68-1] | Expiration Date | December 2008 |
| Concentration | 1.12 mg Hydromorphone Hydrochloride (equivalent to 0.99 mg free base)/mL GC grade methanol (conc. verified by UV) | Storage | 2-8°C |
| Molecular Formula | $C_{17}H_{19}NO_3 \cdot HCl$ | | |
| Molecular Weight | 321.8 | | |

70 eV Electron Ionization Mass Spectrum



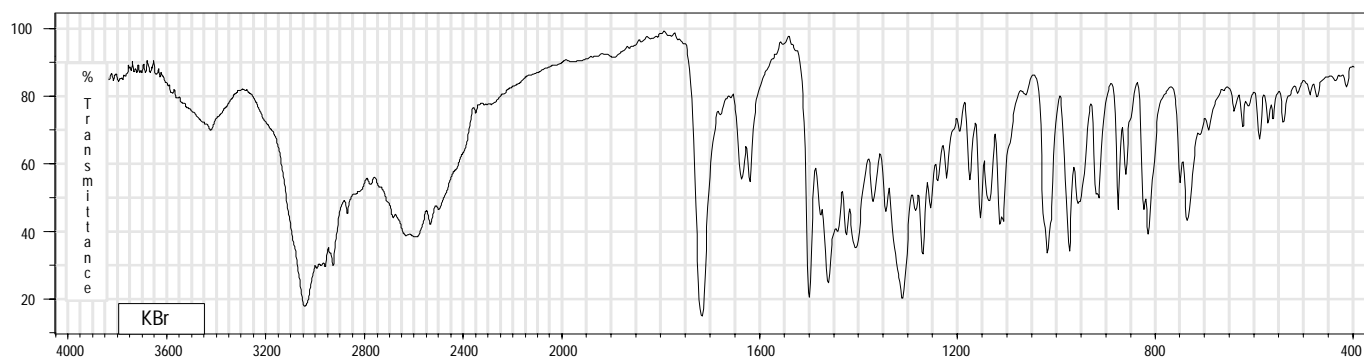
Hewlett-Packard 5890 Series II Gas Chromatograph
Hewlett-Packard 5971 Mass Selective Detector
Hewlett-Packard G1034C MS ChemStation (HP-DOS series)

DEA Class Exempt preparation of Class II

FT-IR

Wavenumbers (cm^{-1})

Mattson Galaxy 3020 FT-IR

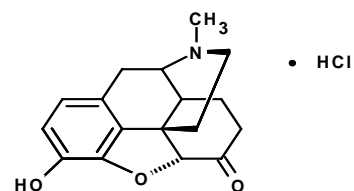


HYDROMORPHONE HYDROCHLORIDE

Methanol Solution

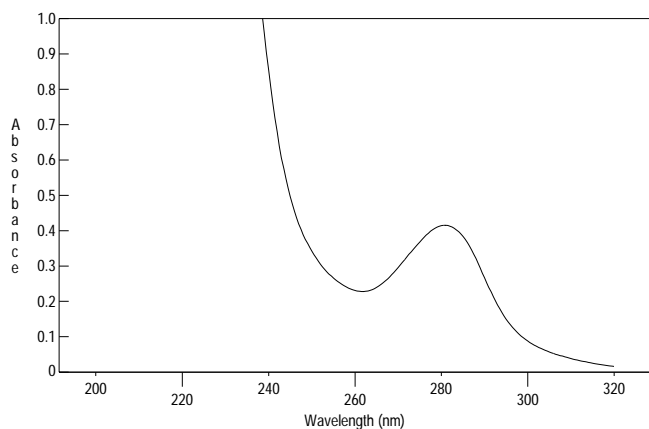
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Ultraviolet Spectrum

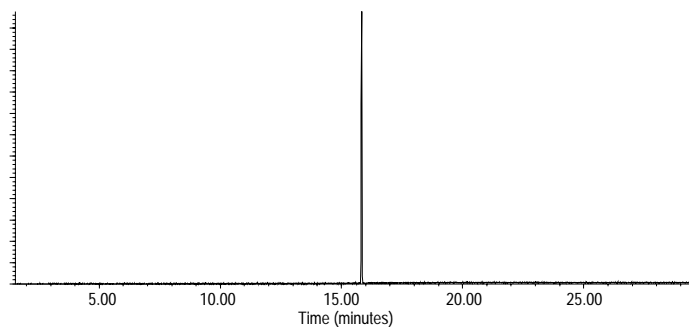
| | |
|-------------------|--------------------------------------|
| Peak | 281.0 nm |
| Absorbance | 0.415 |
| Solvent | 0.2 N H ₂ SO ₄ |
| Dilution | 1 : 10 (v/v) |



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

H 7141/91K88021/09/09/04

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