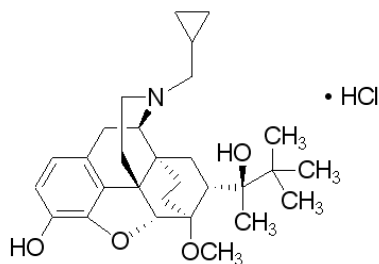


Product Information

Buprenorphine hydrochloride solution 1.0 mg/mL±5% in methanol drug standard

Catalog Number **B7536**
Lot Number 119K8712
Storage Temperature -20 °C

CAS RN 53152-21-9
Synonym: 21-Cyclopropyl-7α-[(S)-1-hydroxy-1,2,2-trimethylpropyl]-6,14-indo-ethano-6,7,8,14-tetrahydrooripavine hydrochloride



Product Description

Molecular Formula: $C_{29}H_{41}NO_4 \cdot HCl$
Molecular Weight: 504.10

DEA Class: Exempt preparation of Class III

Concentration: 1.08 mg of Buprenorphine hydrochloride (equivalent to 1.00 mg of free base)/mL of GC grade methanol, concentration verified by UV.

Expiration Date: December 2013

Precautions and Disclaimer

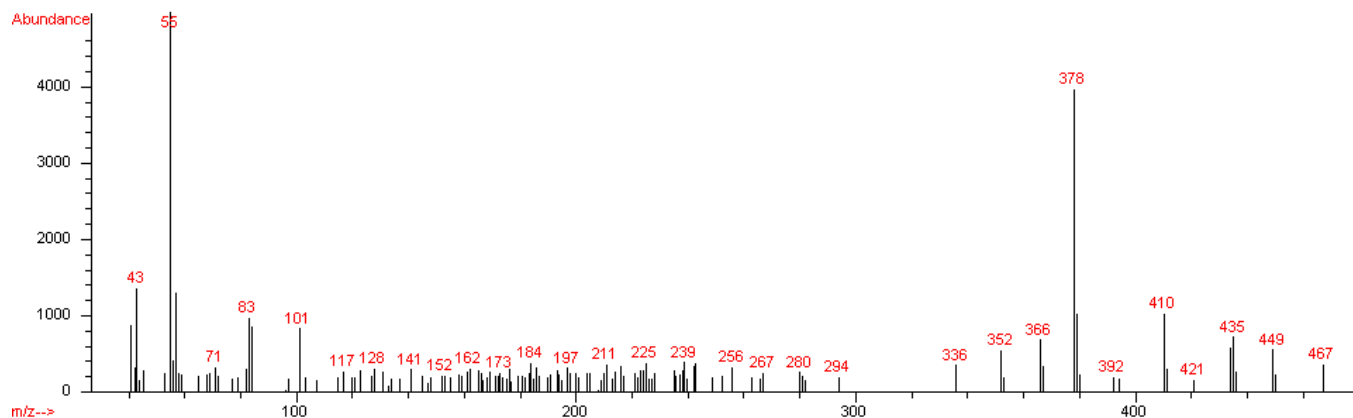
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

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 2% in 12 months. After opening, concentration may change due to loss of solvent.

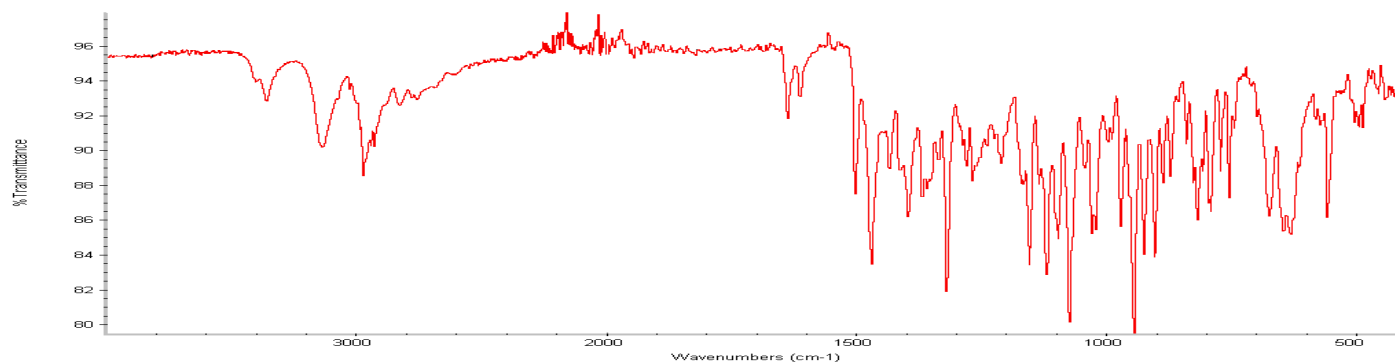
CMW,MAM 12/09-1

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)

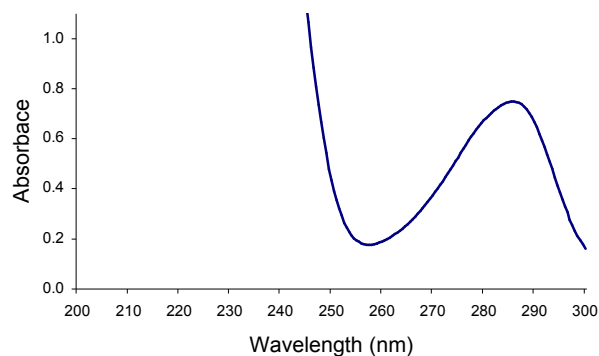
FT-IR



Nicolet 380 FT-IR Smart Orbit(ATR)

Ultraviolet Spectrum

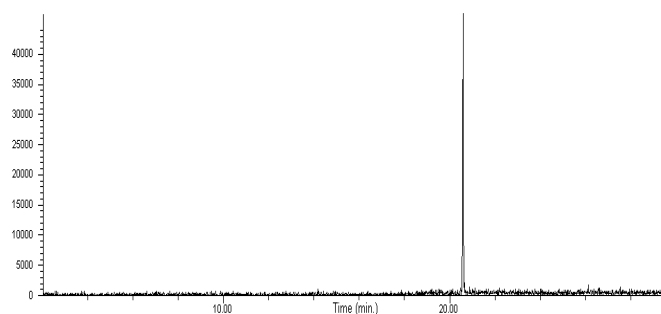
Peak	286.0 nm
Absorbance	0.7496
Solvent	0.2 N H ₂ SO ₄
Dilution	1:4 (v/v)



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 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)



Hewlett-Packard 5890

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