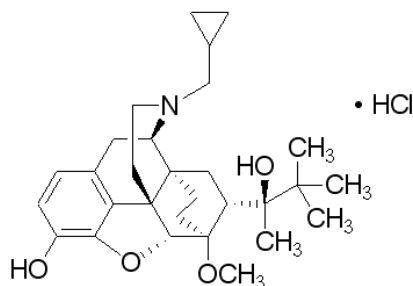


Product Information

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

Catalog Number **B7536**
Lot Number SLBL6655V
Storage Temperature $-20\text{ }^{\circ}\text{C}$

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



Product Description

Molecular Formula: $\text{C}_{29}\text{H}_{41}\text{NO}_4 \cdot \text{HCl}$
Molecular Weight: 504.10

DEA Class: Exempt preparation of Class III

Concentration: 1.09 mg of buprenorphine hydrochloride (equivalent to 1.01 mg of free base)/mL of GC grade methanol, concentration verified by UV.

Expiration Date: January 2018

Precautions and Disclaimer

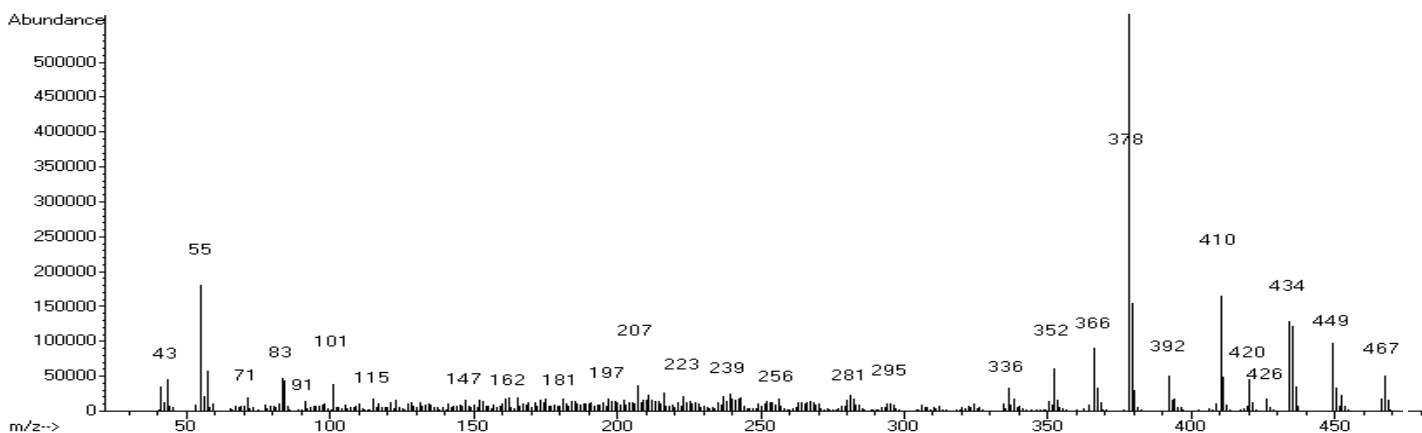
This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

Store the product at $-20\text{ }^{\circ}\text{C}$. If stored at $-20\text{ }^{\circ}\text{C}$ 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.

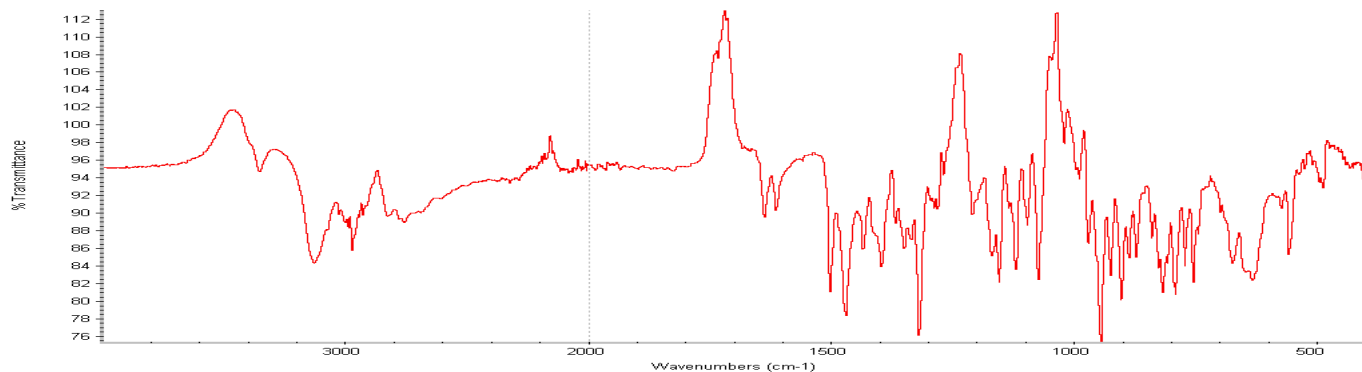
CMW,MAM 01/16-1

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)

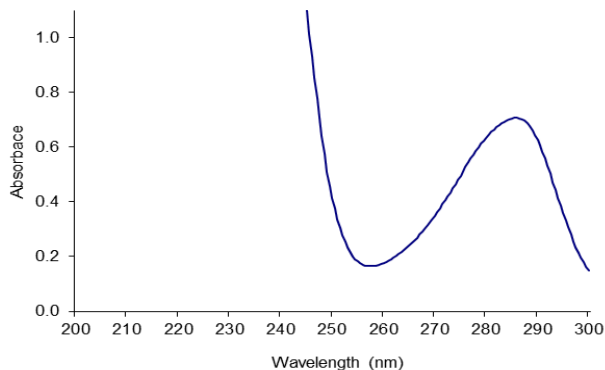
FT-IR



Nicolet 380 FT-IR Smart Orbit(ATR)

Ultraviolet Spectrum

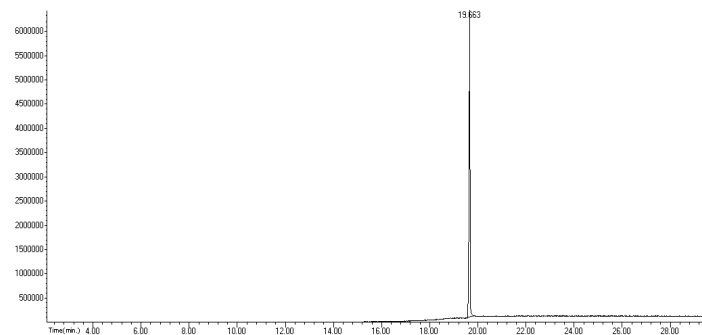
Peak	286.0 nm
Absorbance	0.7068
Solvent	0.2 N H ₂ SO ₄
Dilution	1:4 (v/v)



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 5973
Mass Selective Detector (70 eV, 40-500 m/z)



Hewlett-Packard 6890