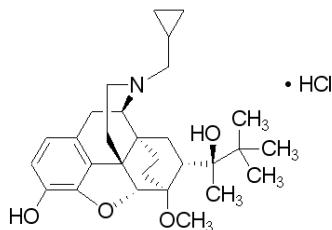


Product Information

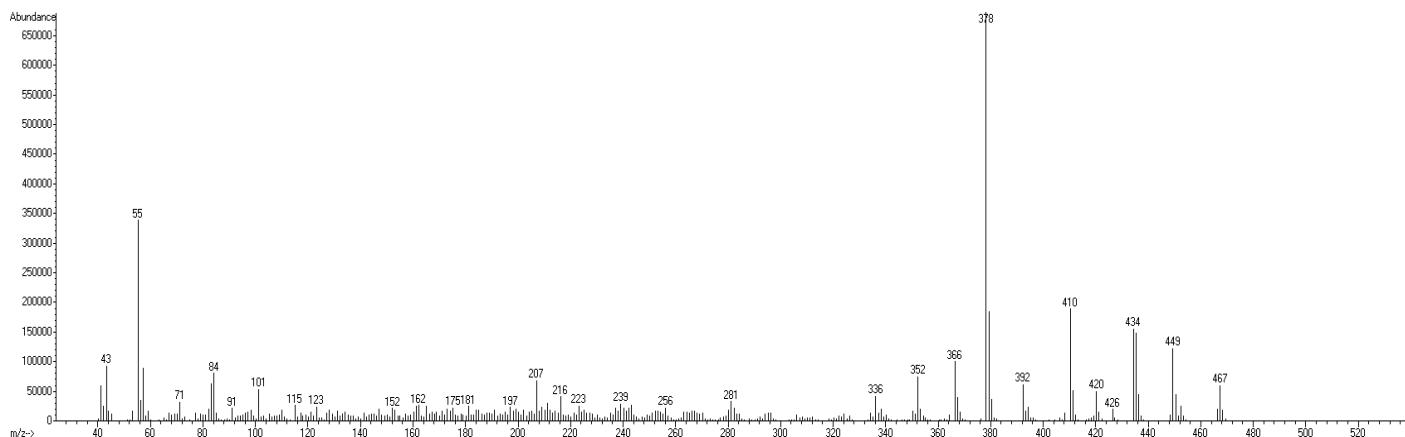
Buprenorphine hydrochloride solution**1.0 mg/mL \pm 5% in methanol****analytical standard for drug analysis****Catalog Number B7536****Lot Number SLBP0678V****Storage Temperature –20 °C****CAS RN 53152-21-9****Synonyms: 21-Cyclopropyl-7 α -[(S)-1-hydroxy-1,2,2-trimethylpropyl]-6,14-indo-ethano-6,7,8,14-tetrahydrooripavine hydrochloride****Product Description****Molecular Formula: C₂₉H₄₁NO₄ · HCl****Molecular Weight: 504.10****DEA Class: Exempt preparation of Class III****Concentration: 1.05 mg of buprenorphine hydrochloride (equivalent to 0.97 mg of free base)/mL of GC grade methanol, concentration verified by UV.****Expiration Date: October 2018****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

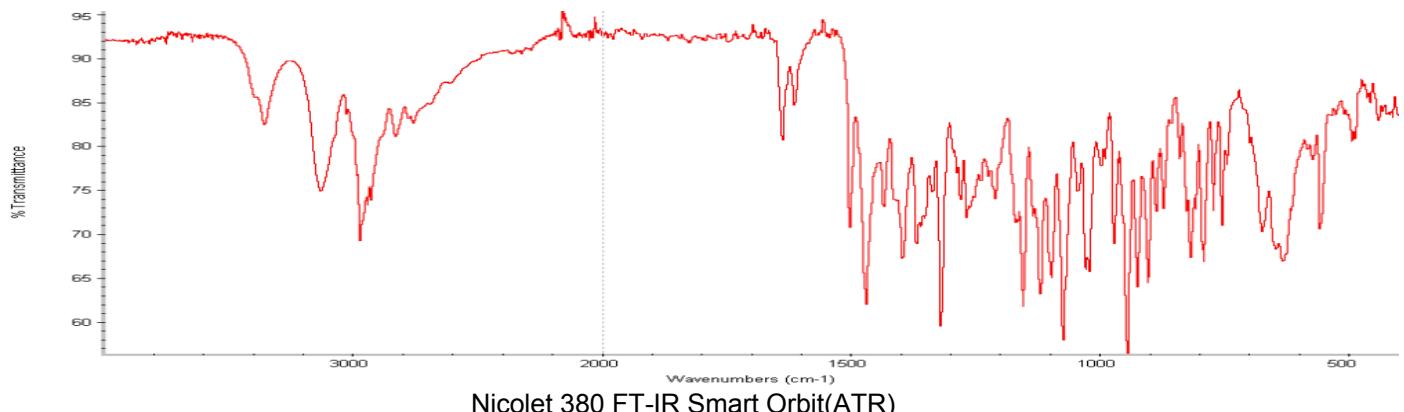
Store the product at –20 °C. If stored at –20 °C in an airtight container, protected from light, decomposition of the product is less than 2% in 12 months. After opening, concentration may change due to loss of solvent.

CMW,MAM 11/15-1

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



Ultraviolet Spectrum

Peak	286.0 nm
Absorbance	0.7278
Solvent	0.2 N H ₂ SO ₄
Dilution	1:4 (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, Split
Detector Hewlett-Packard 5973
Mass Selective Detector (70 eV, 40-500 m/z)

