Product Information

Codeine solution
1.0 mg/mL±5% in methanol
analytical standard, for drug analysis

Catalog Number C1653
Lot Number 101M8707V
Storage Temperature 2–8 °C

CAS RN 76-57-3
Synonyms: (5α,6α)-7,8-Didehydro-4,5-epoxy-3-methoxy-17-methylmorphinan-6-ol, Methomorphine, Morphine monomethyl ether

Concentration: 1.01 mg of codeine/mL of GC grade methanol, concentration verified by UV.

Expiration Date: January 2015

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 2–8 °C. If stored at 2–8 °C in an airtight 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.

Product Description
Molecular Formula: C_{18}H_{21}NO_{3}
Molecular Weight: 299.36

DEA Class: Exempt preparation of Class II

70 eV Electron Ionization Mass Spectrum

Hewlett-Packard 6890 Series II Gas Chromatograph
Hewlett-Packard 6890 Mass Selective Detector
Hewlett-Packard 5973 MS ChemStation (HP-DOS series)
Nicolet 380 FT-IR Thermo Smart Orbit

**Ultraviolet Spectrum**

- **Peak**: 284.0 nm
- **Absorbance**: 0.5929
- **Solvent**: 0.2 N H₂SO₄
- **Dilution**: 1:9 (v/v)

**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**: 150 °C (2 minutes), then 15 °C/minute to 300 °C, hold 18 minutes
- **Injector Temperature**: 250 °C, Split
- **Detector**: Hewlett-Packard 6890
  - Mass Selective Detector (70 eV, 40-500 m/z)

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