



3050 Spruce Street  
Saint Louis, Missouri 63103 USA  
Telephone 800-325-5832 • (314) 771-5765  
Fax (314) 286-7828  
email: techserv@sial.com  
sigma-aldrich.com

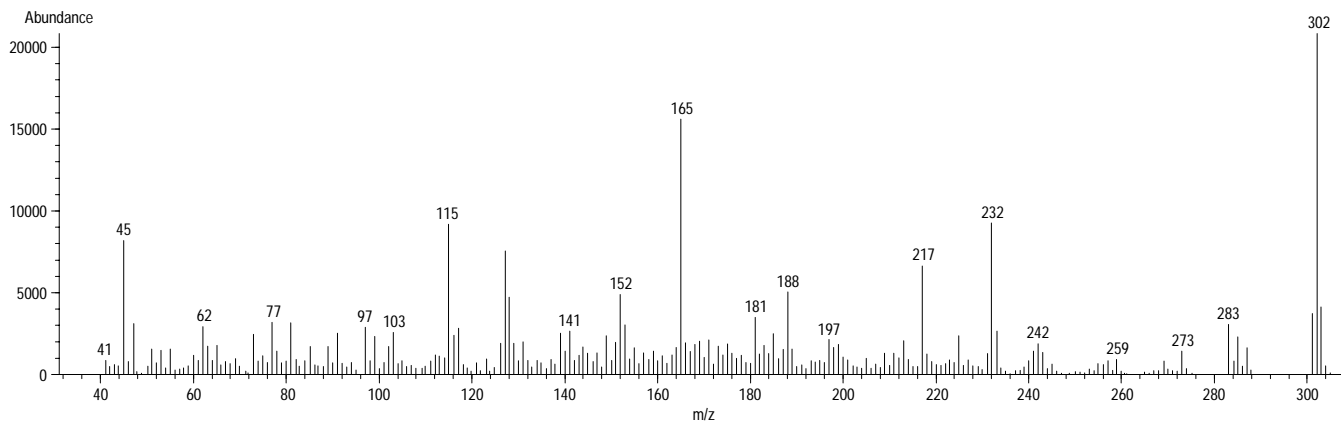
## Product Information

### CODEINE-*d*<sub>3</sub> HYDROCHLORIDE

Methanol Solution

<b>Product Number</b>	C 3672	<b>Synonyms</b>	7,8-Didehydro-4,5-epoxy-3-methoxy-17-[methyl- <i>d</i> <sub>3</sub> ]morphinan-6-ol; 3-O-Methylmorphine(N-methyl- <i>d</i> <sub>3</sub> )
<b>Lot Number</b>	23K8808	<b>Stability</b>	If stored at 2-8°C in an air tight container, protected from light, decomposition of the product is less than 1% in 12 months. After opening, concentration may change due to loss of solvent.
<b>CAS Number</b>	[70420-71-2]	<b>Expiration Date</b>	October 2006
<b>Concentration</b>	112 µg Codeine- <i>d</i> <sub>3</sub> Hydrochloride (equivalent to 100 µg free base)/mL GC grade methanol (conc. corrected for water content and verified by UV)	<b>Storage</b>	2-8°C; After opening, transfer contents to small vial provided for your convenience.
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>18</sub> D <sub>3</sub> NO <sub>3</sub> • HCl • 2H <sub>2</sub> O		
<b>Molecular Weight</b>	374.9		
<b>DEA Class</b>	Exempt preparation of Class II		

70 eV Electron Ionization Mass Spectrum

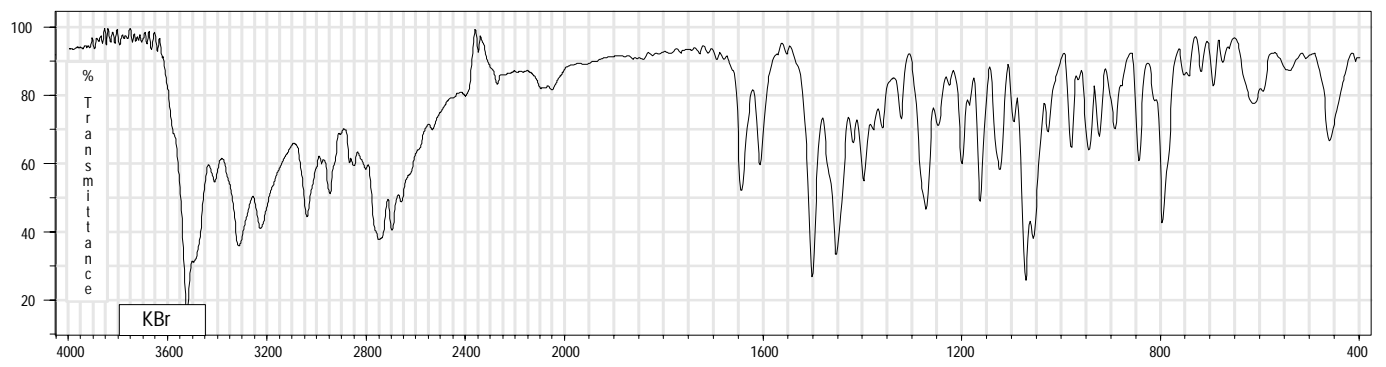


Hewlett-Packard 5890 Series II Gas Chromatograph  
Hewlett-Packard 5971 Mass Selective Detector  
Hewlett-Packard G1034C MS ChemStation (HP-DOS series)

FT-IR

Wavenumbers (cm<sup>-1</sup>)

Mattson Galaxy 3020 FT-IR

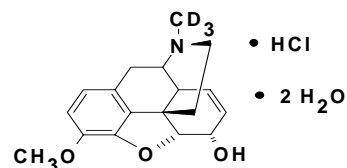


# CODEINE-*d*<sub>3</sub> HYDROCHLORIDE

Methanol Solution

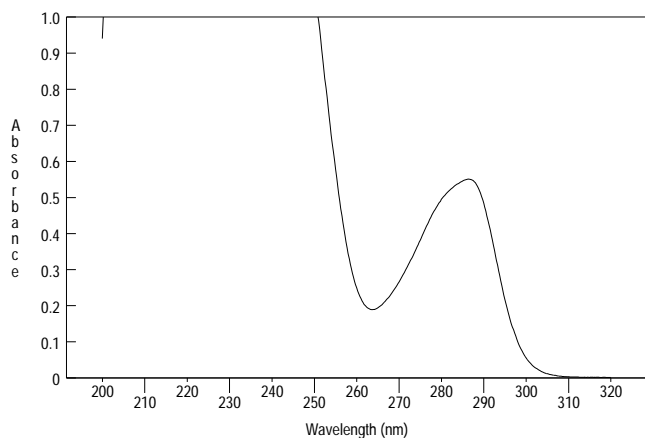
Product Number C 3672

Lot Number 23K8808



## Ultraviolet Spectrum

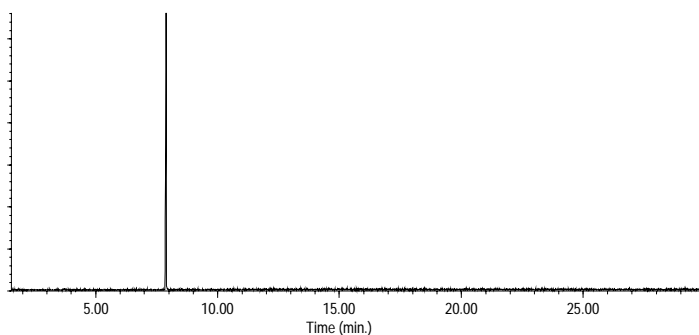
Peak	286.2 nm
Absorbance	0.551
Solvent	Methanol
Dilution	neat



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** 150°C (2min.), then 15°/min to 300°C, hold 18 min.  
**Injector Temperature** 250°C, Splitless  
**Detector** Hewlett-Packard 5971  
Mass Selective Detector (70 eV, 40-500 m/z)



Hewlett-Packard 5890

C 3672/23K8808/03/05/03

This product is not for *in vitro* diagnostic procedures. For R&D use only. Not for drug, household or other uses.

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