



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

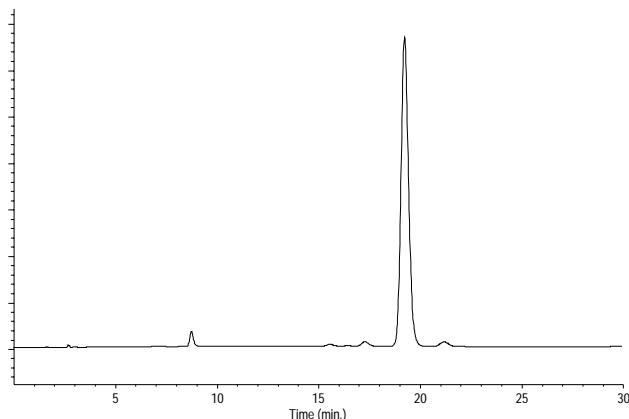
Δ^9 -Tetrahydrocannabinol

Methanol Solution

Product Number T 4764
Lot Number 91K8801
CAS Number [1972-08-3]
Concentration 1.05 mg Δ^9 -Tetrahydrocannabinol/mL
GC grade methanol (conc. verified
by HPLC)
Molecular Formula $C_{21}H_{30}O_2$
Molecular Weight 314.5
DEA Class Exempt preparation of Class I

Synonyms Tetrahydro-6,6,9-trimethyl-3-pentyl-
6H-dibenzo[b,d]pyran-1-ol;
 Δ^1 -Tetrahydrocannabinol; Δ^9 -THC; Δ^1 -THC
Stability If stored at 2-8°C in an air tight 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.
Expiration Date May 2004
Storage 2-8°C; After opening, transfer contents to
small vial provided for your convenience.

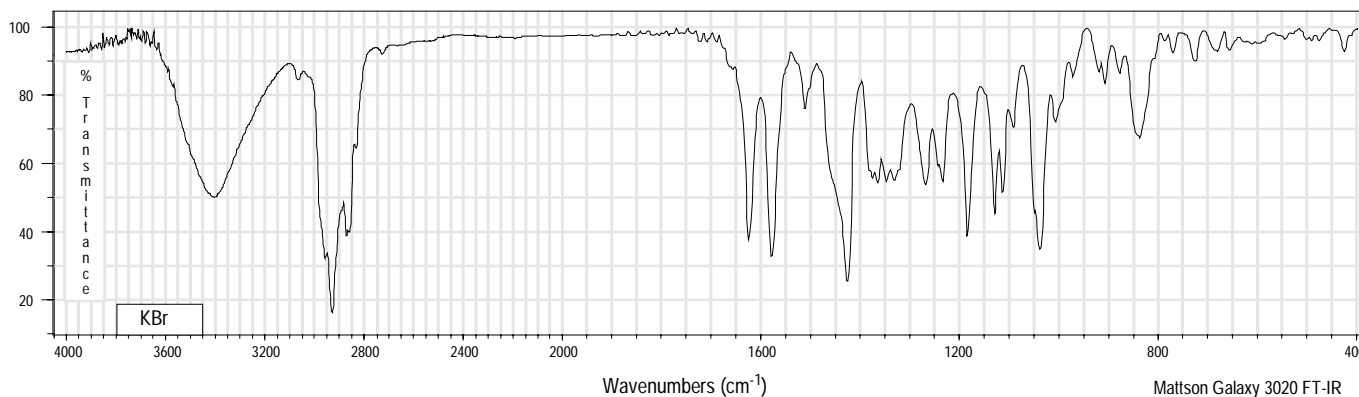
High Pressure Liquid Chromatography



Column C-18: 5 micron, 4.6 x 25 cm (Supelco 58298-C46)
Mobile Phase 80 % Methanol / 20 % 18 M Ω water
Gradient isocratic
Flow Rate 1.0 mL/min.
Temp ambient
Detector UV @ 210 nm

Perkin-Elmer LC-4 with Hewlett-Packard 3365 Series II Chemstation

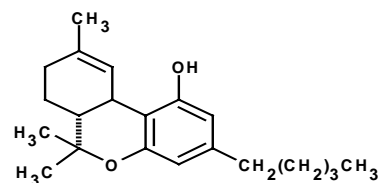
FT-IR



Mattson Galaxy 3020 FT-IR

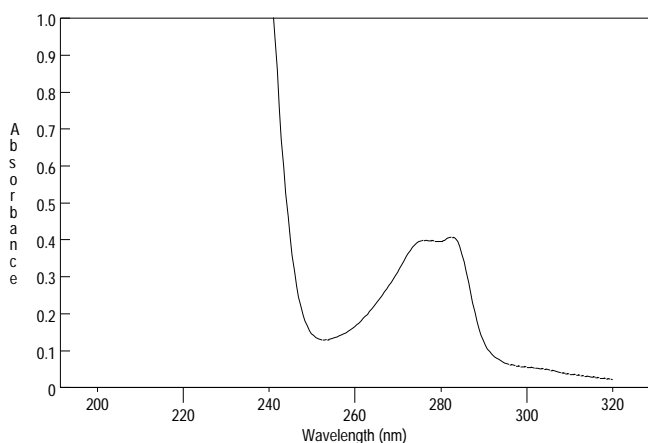
Δ^9 -TETRAHYDROCANNABINOL

Methanol Solution
Product Number T 4764
Lot Number 91K8801



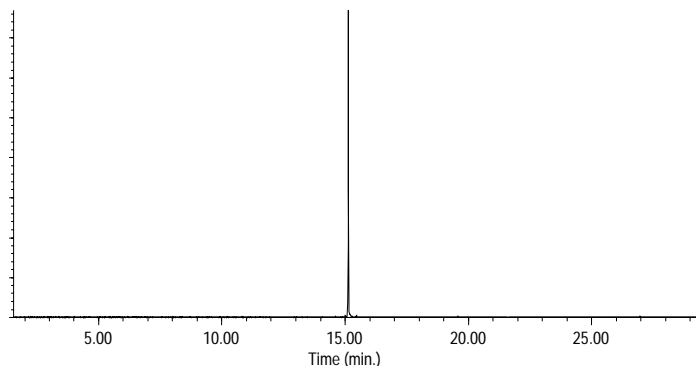
Ultraviolet Spectrum

Peak 276.5 nm
Absorbance 0.399
Solvent Methanol
Dilution 1 : 9 (v/v)



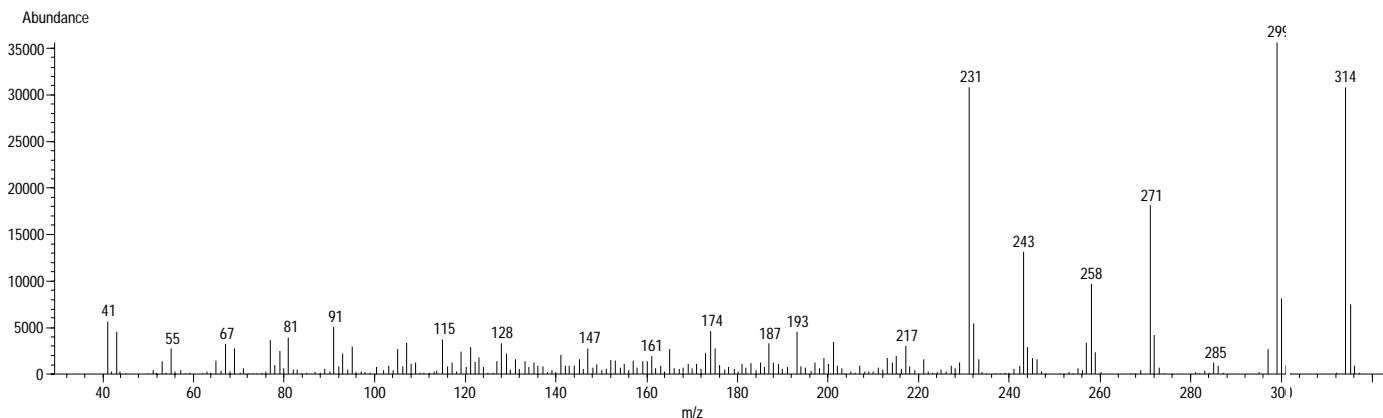
Capillary Gas Chromatography

Column Supelco SPB-1 (Cat. No. 2-4162)
I.D. 0.20 mm **Length** 15 m **Film Thickness** 0.20 μ m
Oven Temperature 50°C (2 min.), then 15°/min. to 300°C, hold 11 min.
Injector Temperature 250°C, Split
Detector Hewlett-Packard 5971
Mass Selective Detector (70 eV, 40-500 m/z)



Hewlett-Packard 5890

70 eV Electron Ionization Mass Spectrum



T 4764/91K8801/09/21/01

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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