

1201 R

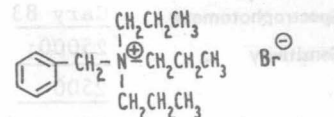
BENZYLTRIPROPYLAMMONIUM BROMIDE

RAMAN DATA

Spectrophotometer Cary 83
 Sensitivity 22000;
2200
 Suppression 29;
0
 Laser Power 85 mW
 Spectral Slitwidth 6 cm⁻¹

C₁₆H₂₈BrN Mol. Wt. 314.32

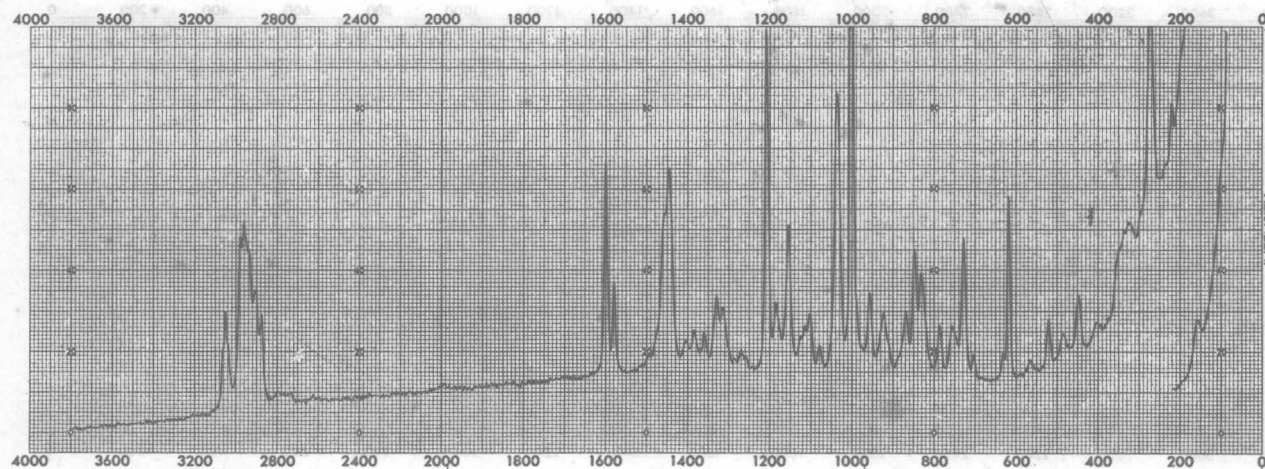
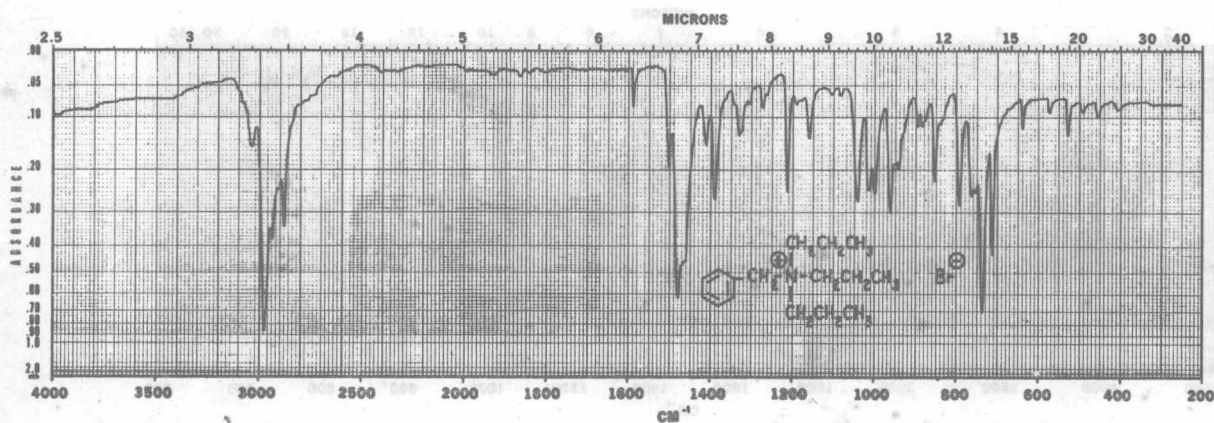
M.P. 187.5-188°C

Source: Duke University
Durham, North Carolina

WAVENUMBER / INTENSITY

1210/85.2 1003/171.5 274/51.4
 159/68.0

KBr Wafer



1202 R

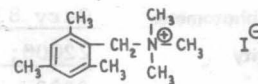
TRIMETHYL-2,4,6-TRIMETHYLBENZYL-
AMMONIUM IODIDE

RAMAN DATA

Spectrophotometer Cary 83
Sensitivity 25000;
2500
Suppression 25;
0
Laser Power 85 mW
Spectral Slitwidth 6 cm⁻¹

C₁₃H₂₂IN Mol. Wt. 319.23
M.P. 245-246°C (dec.)

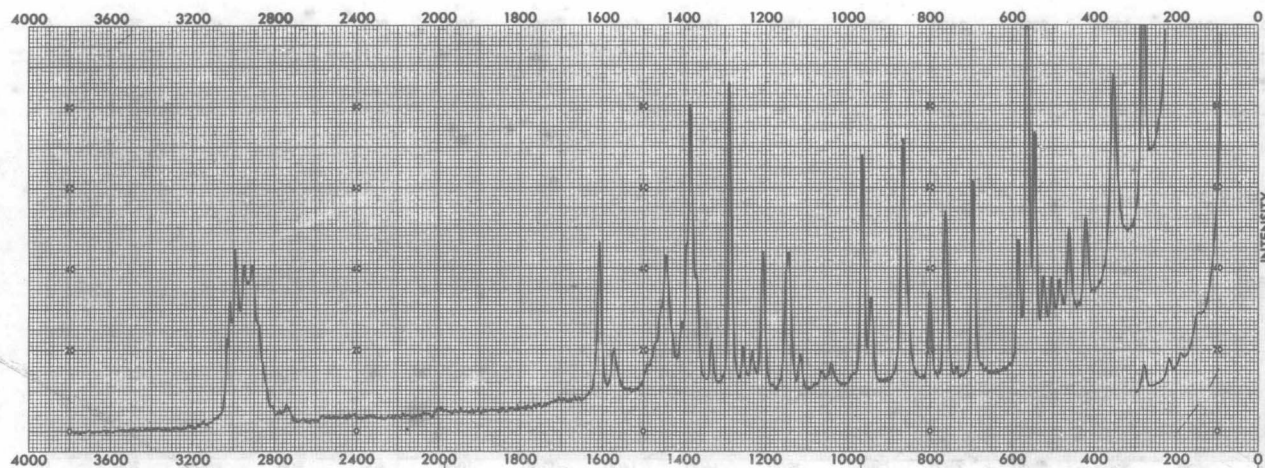
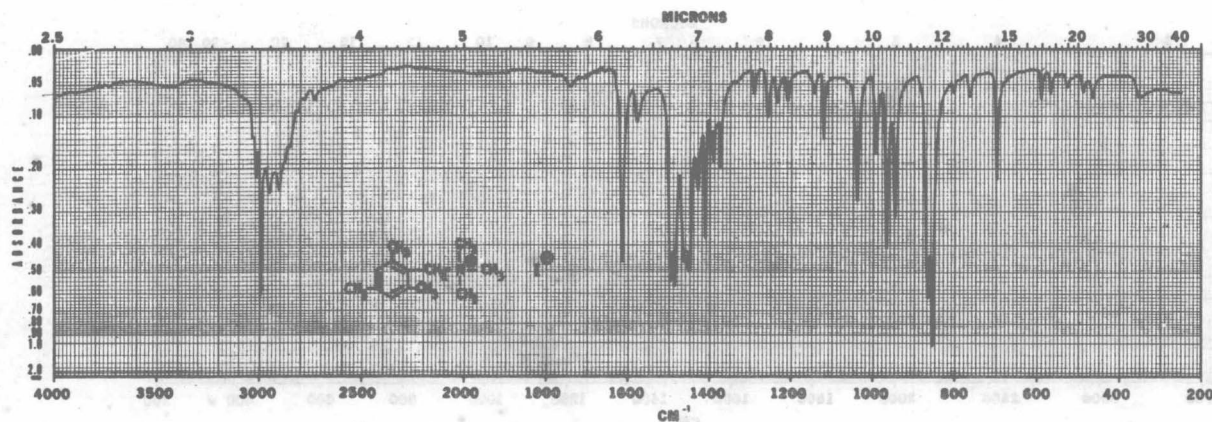
Source: Duke University
Durham, North Carolina



WAVENUMBER / INTENSITY

1290/76.9	565/127.7	282/59.5
221/35.7	191/21.1	148/26.0

KBr Wafer



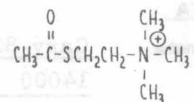
RAMAN DATA

Spectrophotometer Cary 83
Sensitivity 28000;
2800
Suppression 20;
0
Laser Power 60 mW
Spectral Slitwidth 6 cm⁻¹

 $C_7H_{16}INOS$

Mol. Wt. 289.18.

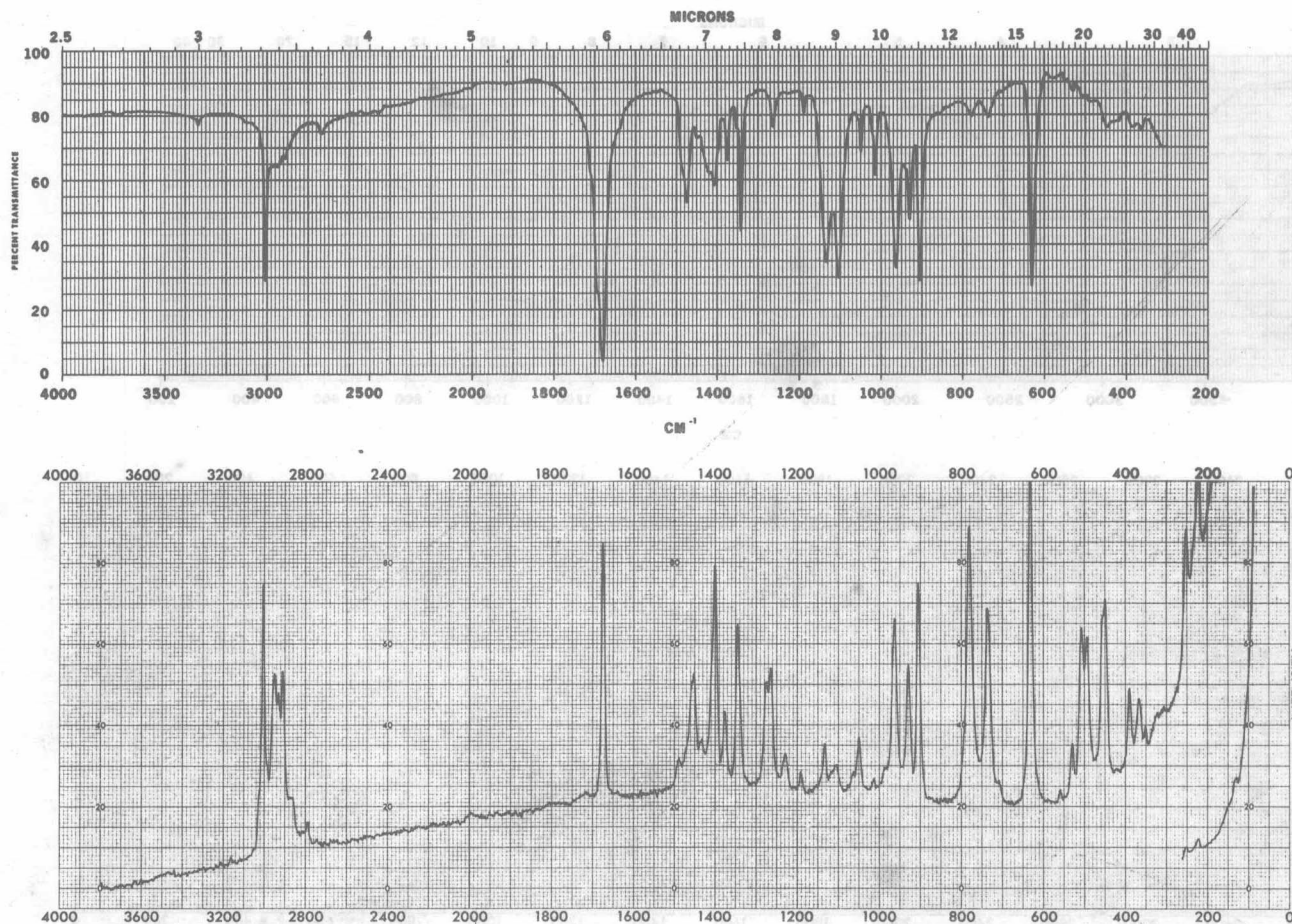
M. P. 205-208.5°C

Source: Aldrich Chemical Company, Inc.
Milwaukee, Wisconsin

WAVENUMBER / INTENSITY

780/68.0 632/870 222/29.0
130/25.0

KBr Wafer



1204 R

CYCLOPENTANEACETIC ACID

 $C_7H_{12}O_2$

Mol. Wt. 128.17

RAMAN DATA

Spectrophotometer Cary 83
Sensitivity 14000
Suppression 17
Laser Power 135 mW
Spectral Slitwidth 6 cm⁻¹

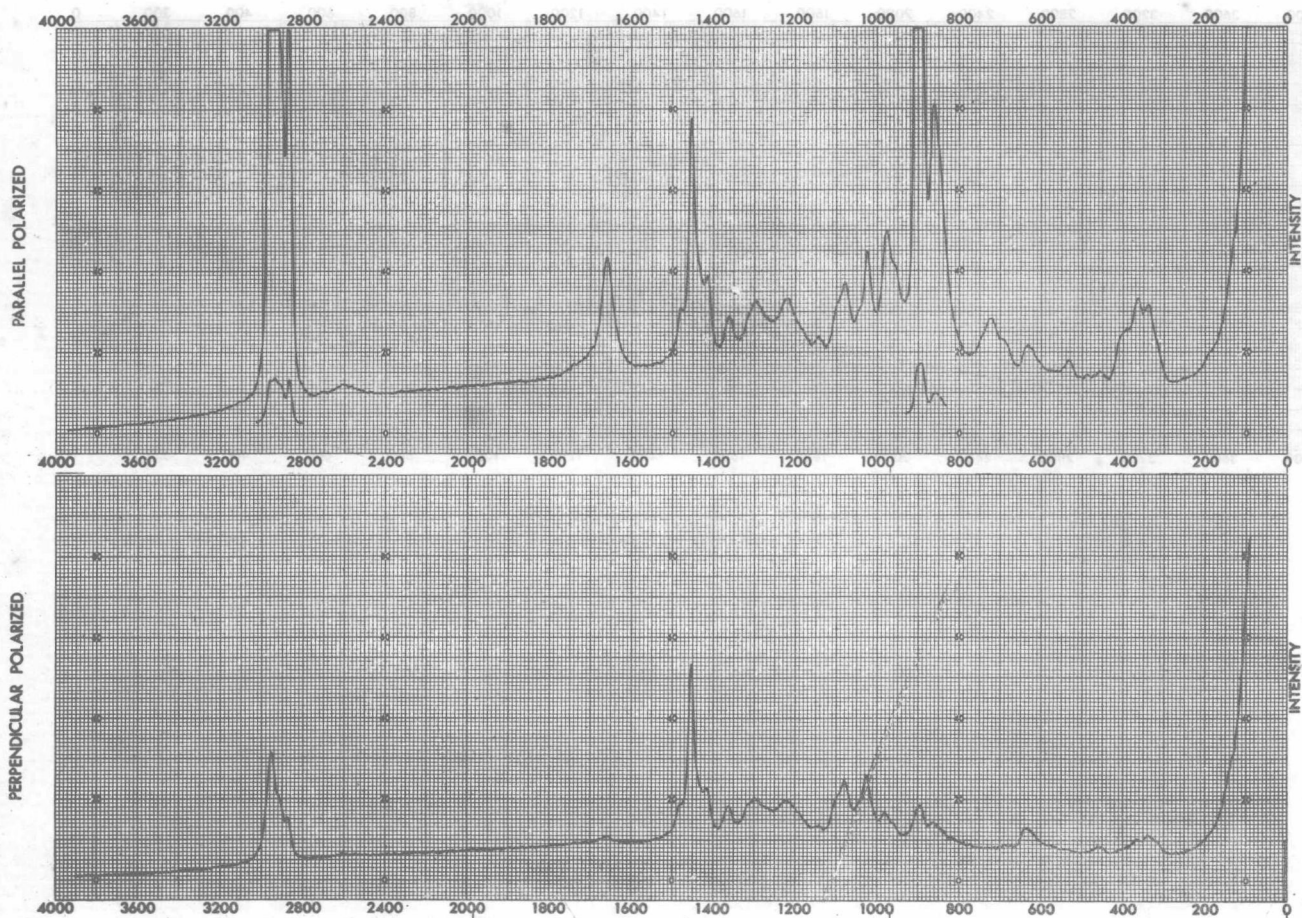
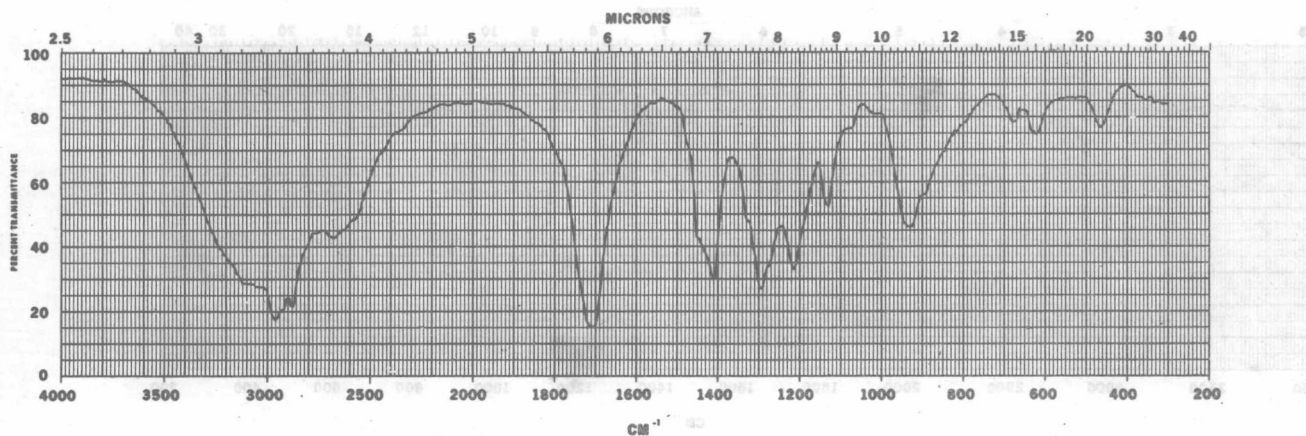
Source: Aldrich Chemical Company, Inc.
Milwaukee, Wisconsin

CC(=O)O

WAVENUMBER / INTENSITY

2963/106.5	2941/109.9	2873/105.8
896/131.6	860/66.7	

Capillary Cell: Neat



2-ETHYL-2-HEXENOIC ACID

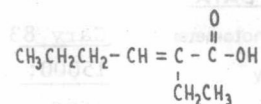
1205 R

RAMAN DATA

Spectrophotometer Cary 83
Sensitivity 10000
Suppression 2
Laser Power 140 mW
Spectral Slitwidth 6 cm⁻¹

 $C_8H_{14}O_2$ Mol. Wt. 142.20

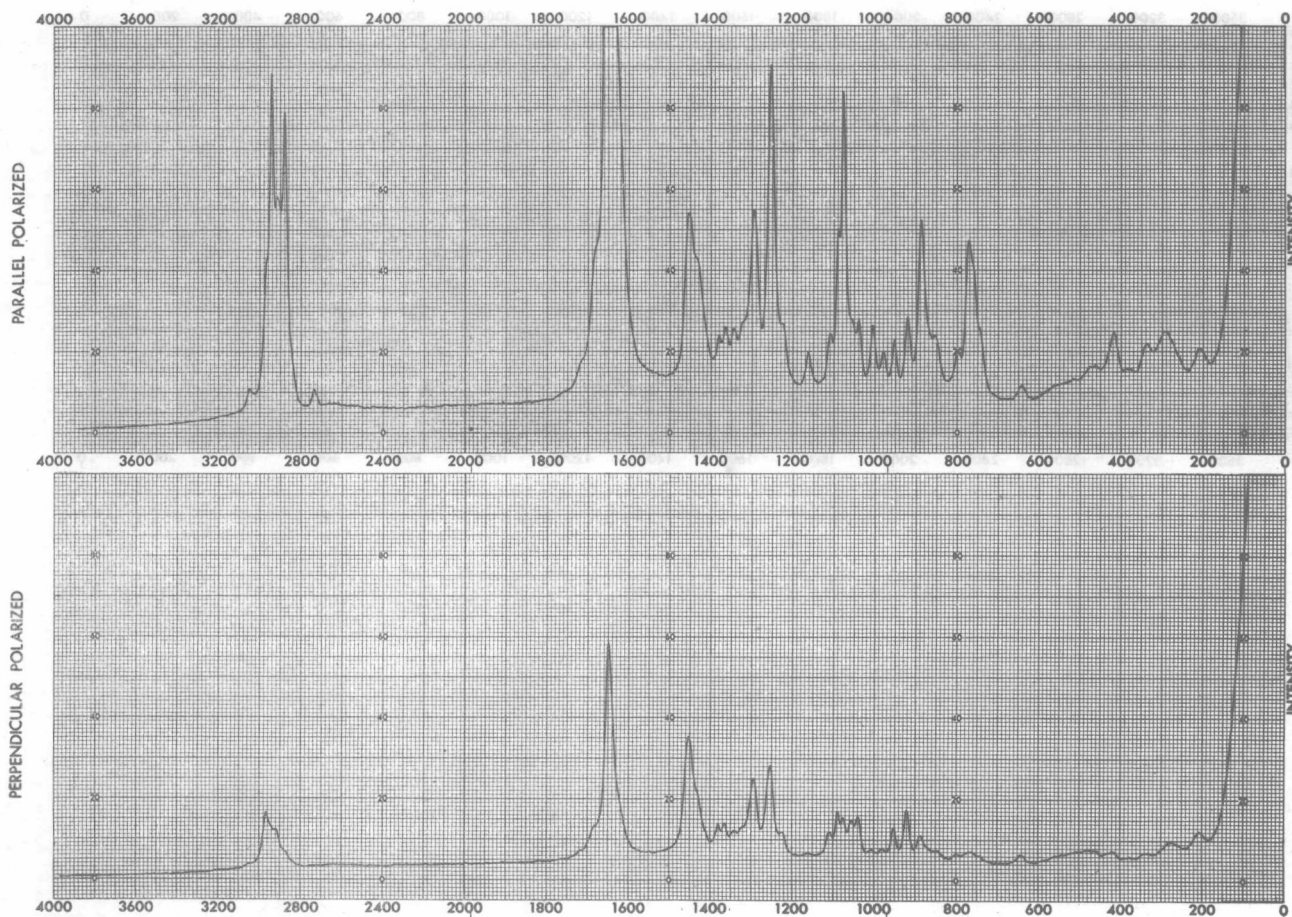
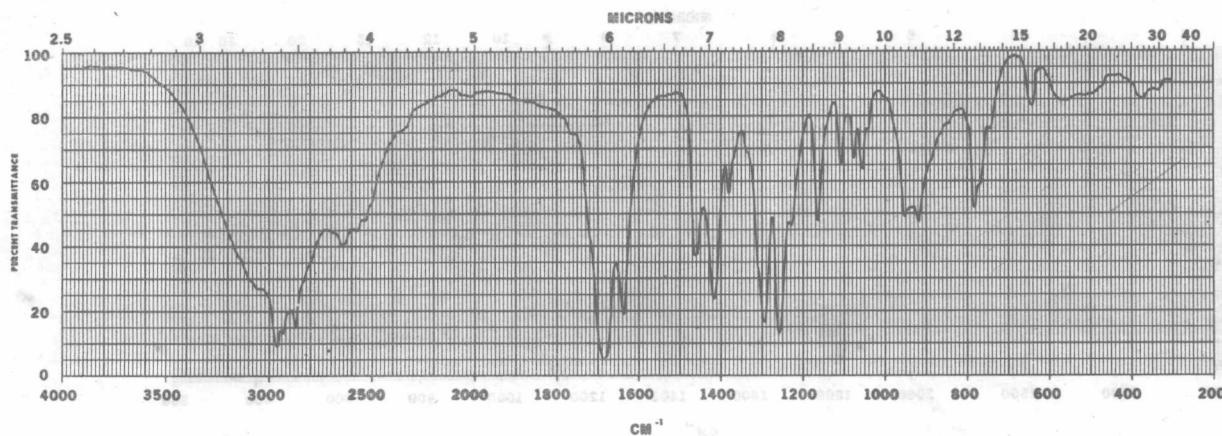
B.P. 233.8-240.8°C

Source: Sadtler Research Laboratories, Inc.
Philadelphia, Pennsylvania

WAVENUMBER / INTENSITY

2940/84.8 1650/249.4

Capillary Cell: Neat



1206 R

OXALIC ACID

RAMAN DATA

Spectrophotometer Cary 83
Sensitivity 15000;
1500
Suppression 33;
0
Laser Power 70 mW
Spectral Slitwidth 8 cm⁻¹

$C_2H_2O_4$ Mol. Wt. 90.04

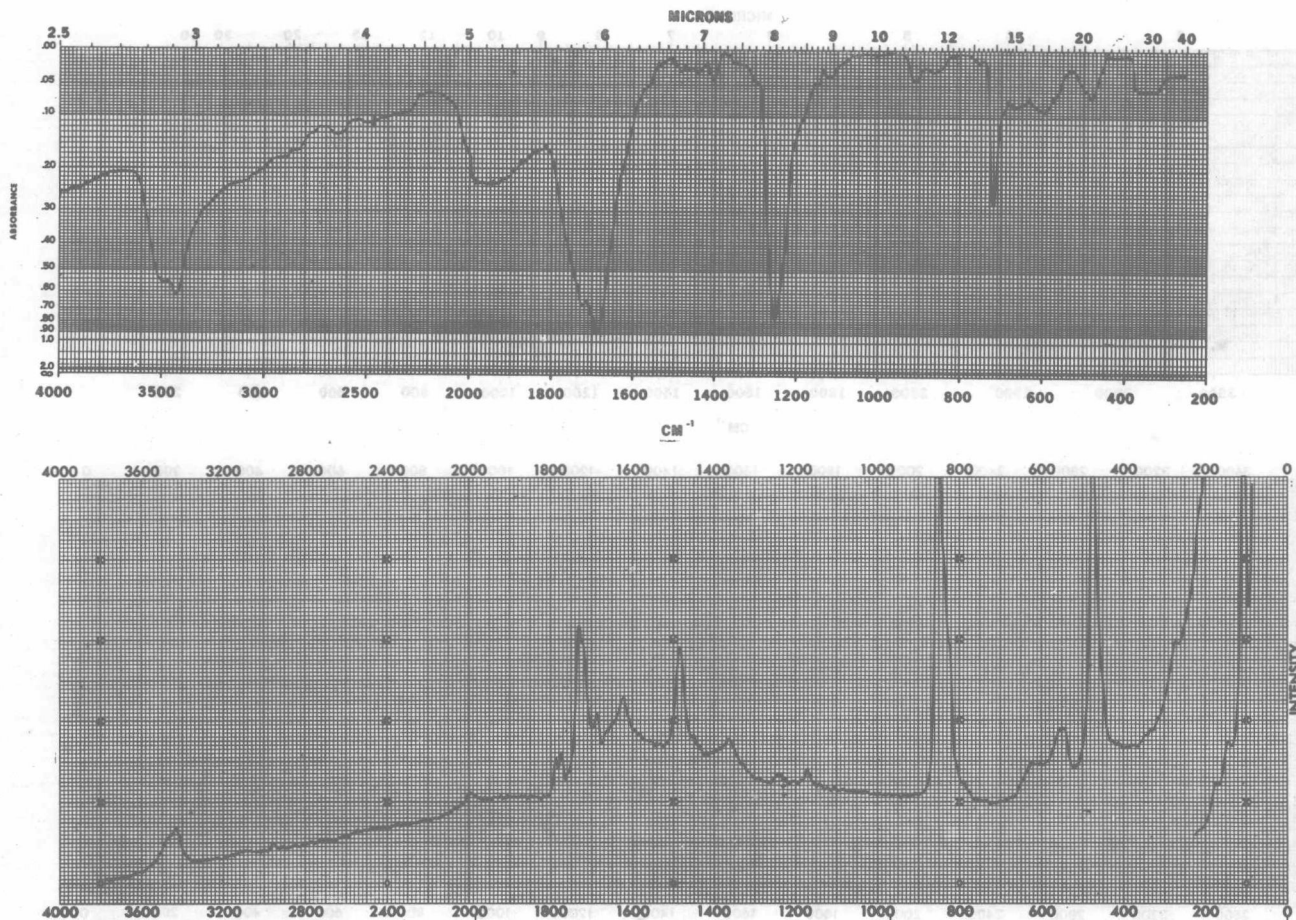
Source: MCB Manufacturing Chemists
Norwood, Ohio



WAVENUMBER / INTENSITY

1730/42.1	855/135.1	477/80.9
175/29.5	144/39.5	108/605.2

KBr Wafer



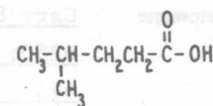
4-METHYLPENTANOIC ACID

RAMAN DATA

Spectrophotometer Cary 83
 Sensitivity 15000;
1500
 Suppression 8;
0
 Laser Power 150 mW
 Spectral Slitwidth 6 cm⁻¹

C₆H₁₂O₂ Mol. Wt. 116.16

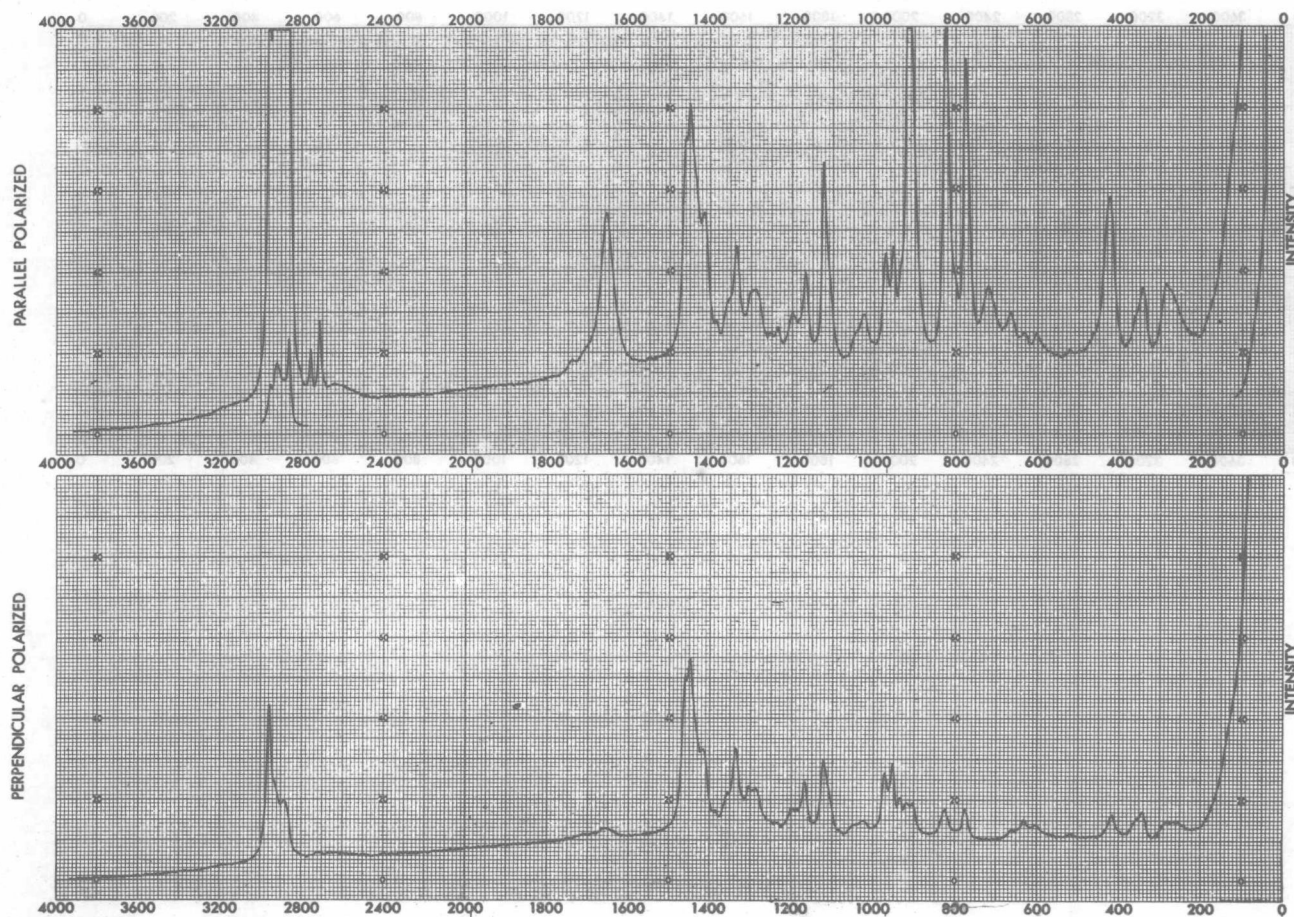
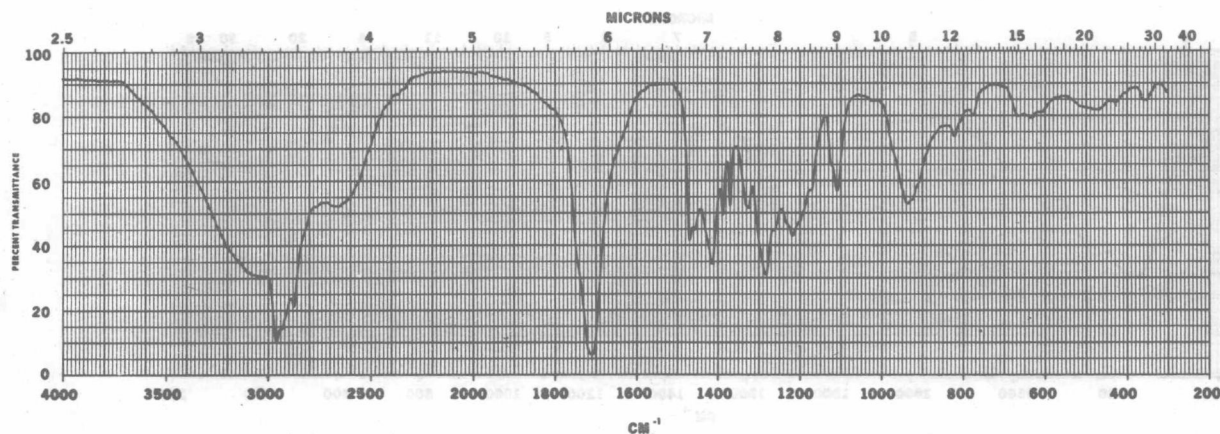
B.P. 207.7°C

Source: Eastman Organic Chemicals
Rochester, New York

WAVENUMBER / INTENSITY

2958/99.7	2925/145.4	2890/87.0
2866/193.4	914/99.7	824/80.0
777/73.5		

Capillary Cell: Neat



1208 R

BENZENE-1,2,4,5-TETRACARBOXYLIC ACID

RAMAN DATA

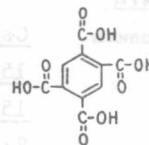
Spectrophotometer Cary 83
Sensitivity 6250;
625
Suppression 61;
0
Laser Power 75 mW
Spectral Slitwidth 6 cm⁻¹

 $C_{10}H_6O_8$

Mol. Wt. 254.15

M.P. 281-283°C

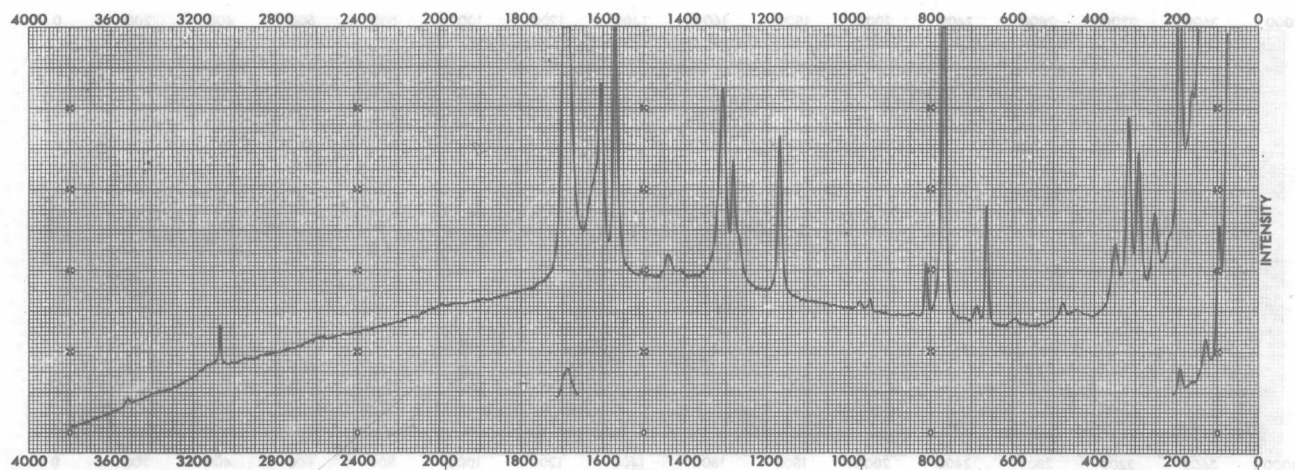
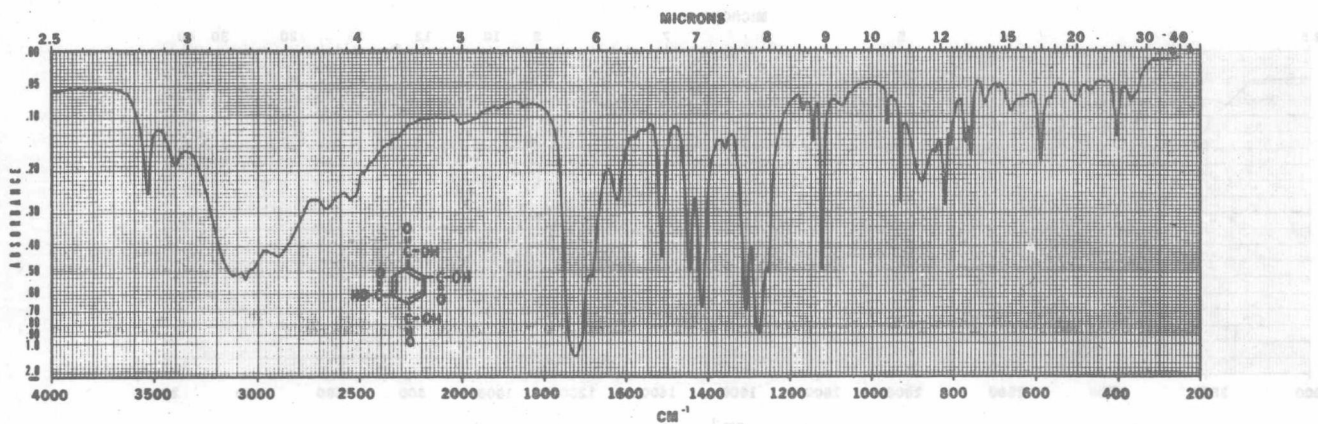
Source: Eastman Organic Chemicals
Rochester, New York



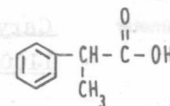
WAVENUMBER / INTENSITY

1690/83.4	1572/72.5	1309/49.5
770/122.7	193/57.7	131/71.0
97/186.5		

KBr Wafer



HYDRATROPIC ACID

 $C_9H_{10}O_2$ Mol. Wt. 150.18Source: MCB Manufacturing Chemists
Norwood, Ohio

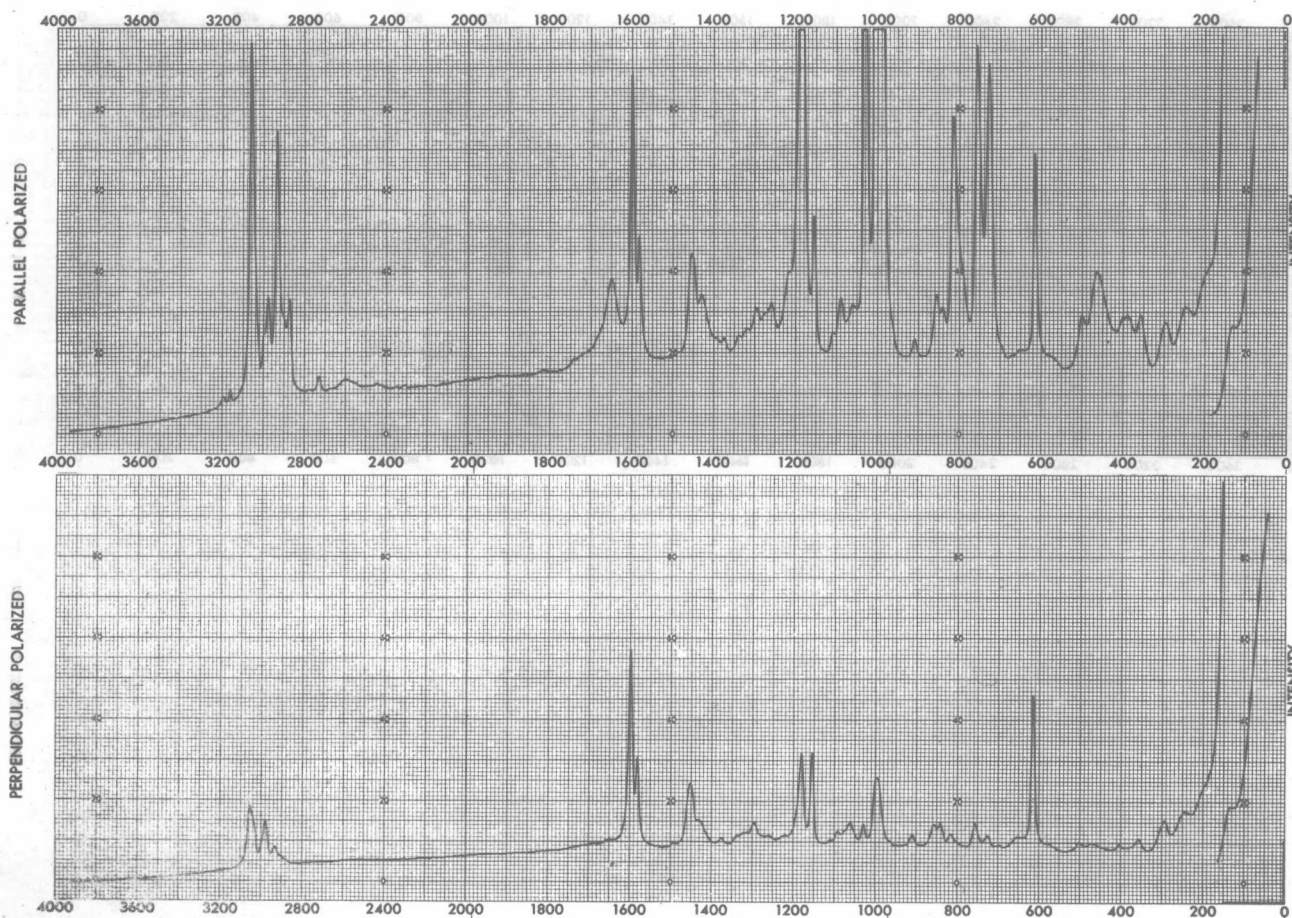
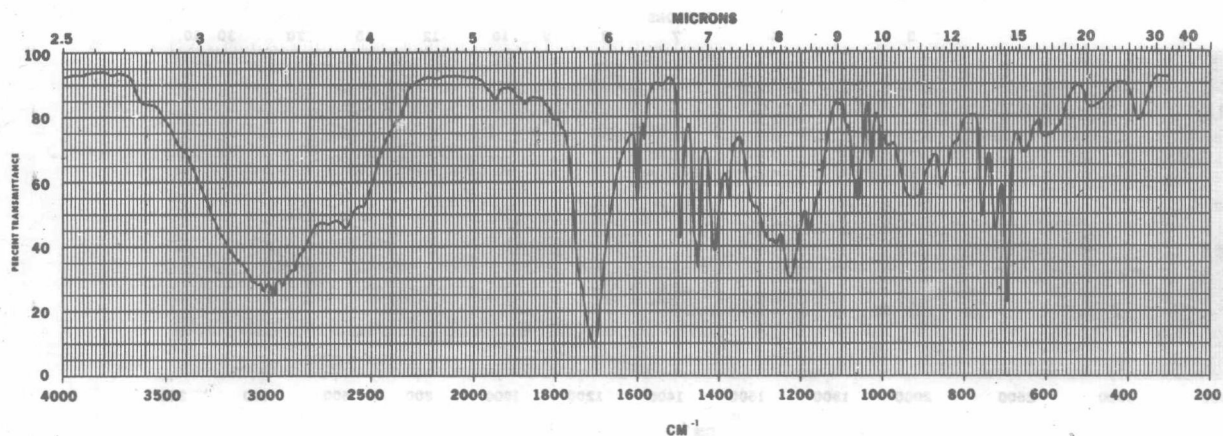
RAMAN DATA

Spectrophotometer Cary 83
 Sensitivity 7500:
750
 Suppression 21:
0
 Laser Power 150 mW
 Spectral Slitwidth 6 cm⁻¹

WAVENUMBER / INTENSITY

3060/90.4 1185/121.5 1031/183.6
 1002/496.4 137/68.8

Capillary Cell: Neat

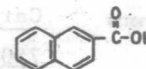


1210 R

2-NAPHTHOIC ACID

 $C_{11}H_8O_2$ Mol. Wt. 172.19

M.P. 184-185°C

Source: MCB Manufacturing Chemists
Norwood, Ohio

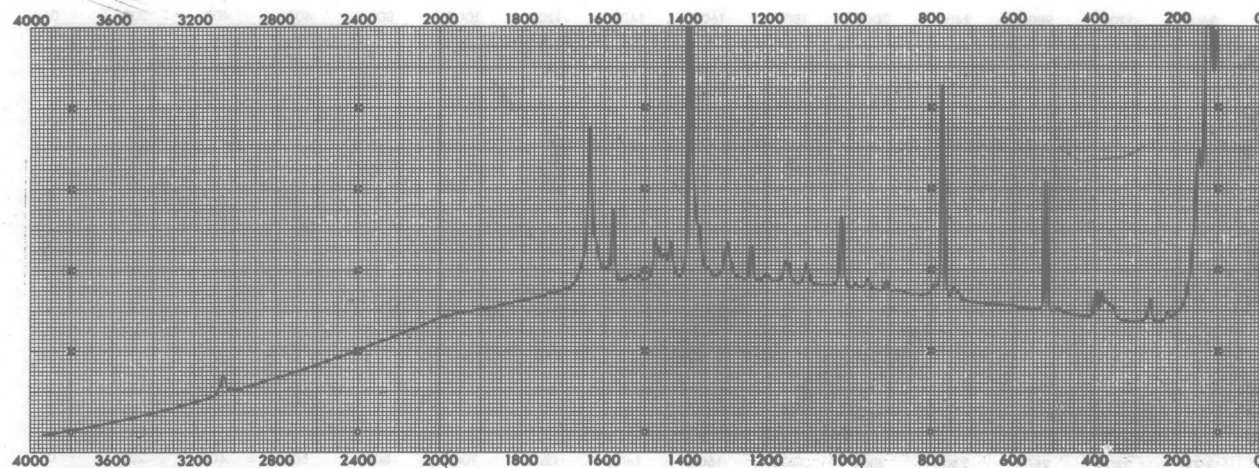
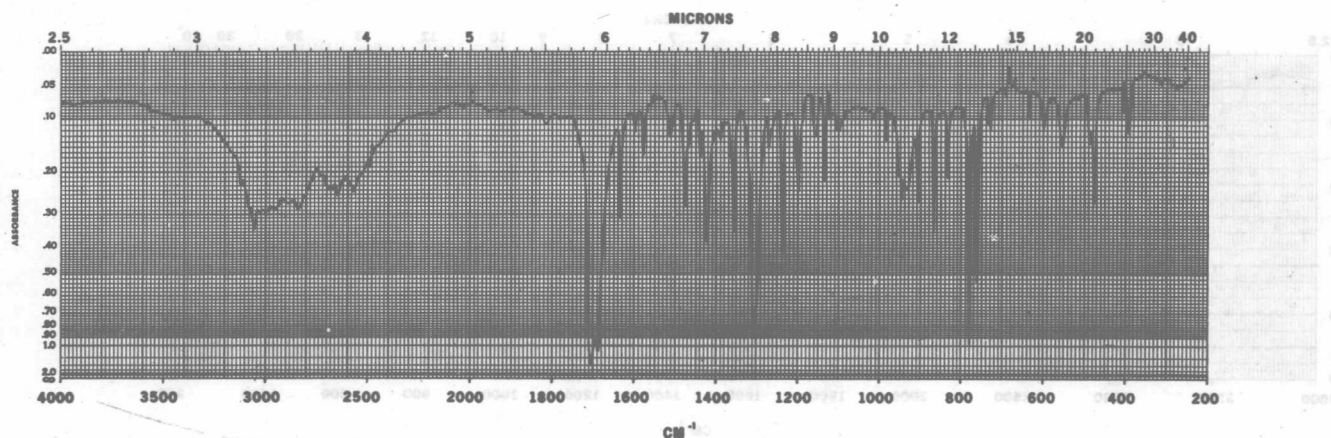
RAMAN DATA

Spectrophotometer Cary 83Sensitivity 11000Suppression 31Laser Power 80 mWSpectral Slitwidth 6 cm⁻¹

WAVENUMBER / INTENSITY

1390/102.0 773/53.0 123/52.2

KBr Wafer

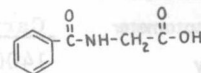


HIPPURIC ACID

 $C_9H_9NO_3$

Mol. Wt. 179.18

M. P. 189-90°C

Source: Eastman Organic Chemicals
Rochester, New York

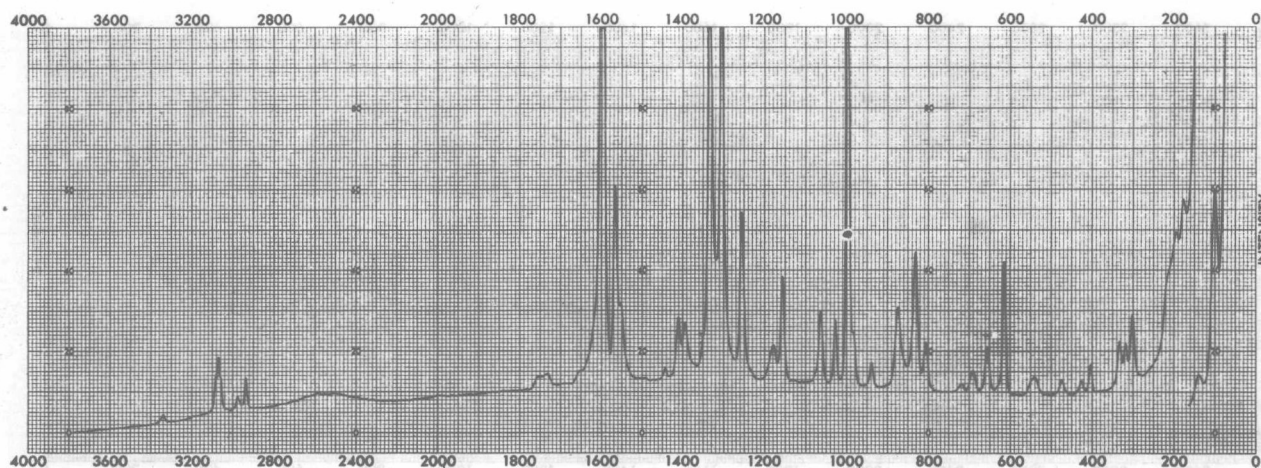
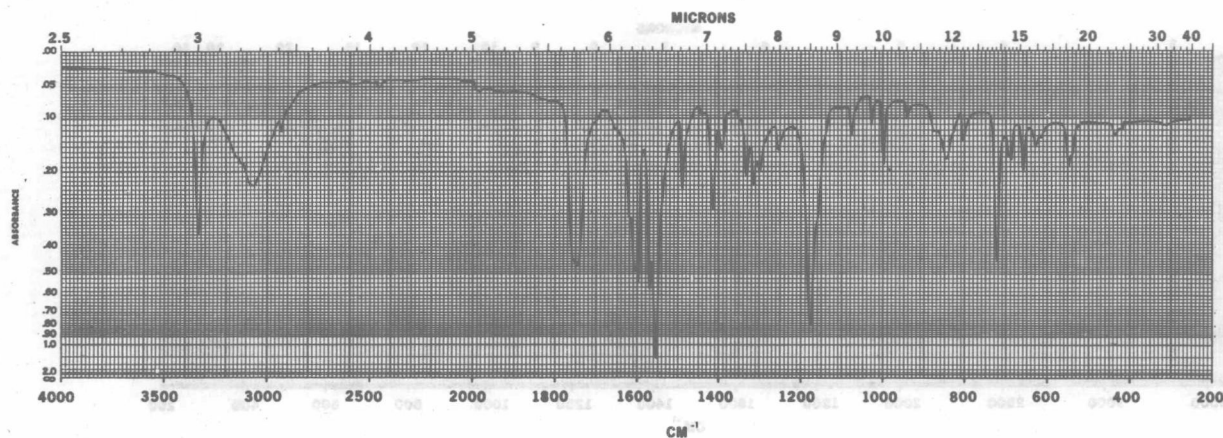
RAMAN DATA

Spectrophotometer Cary 83
 Sensitivity 4000;
400
 Suppression 25;
0
 Laser Power 75 mW
 Spectral Slitwidth 6 cm⁻¹

WAVENUMBER / INTENSITY

1598/170.0	1567/48.9	1332/99.9
1304/95.7	999/163.1	140/39.0
101/299.5		

KBr Wafer



1212 R

RAMAN DATA

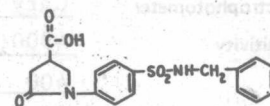
Spectrophotometer Cary 83
Sensitivity 14000;
1400
Suppression 45;
0
Laser Power 70 mW
Spectral Slitwidth 6 cm⁻¹

1-[p-(BENZYLSULFAMOYL)PHENYL]-5-OXO-
3-PYRROLIDINECARBOXYLIC ACID

C₁₈H₁₈N₂O₅S Mol. Wt. 374.42

M.P. 194-195°C

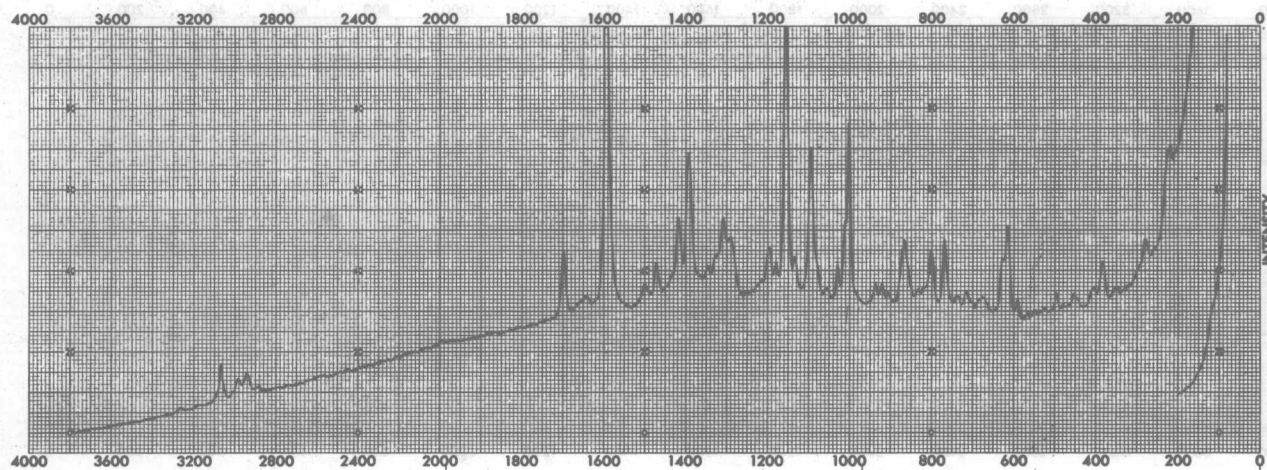
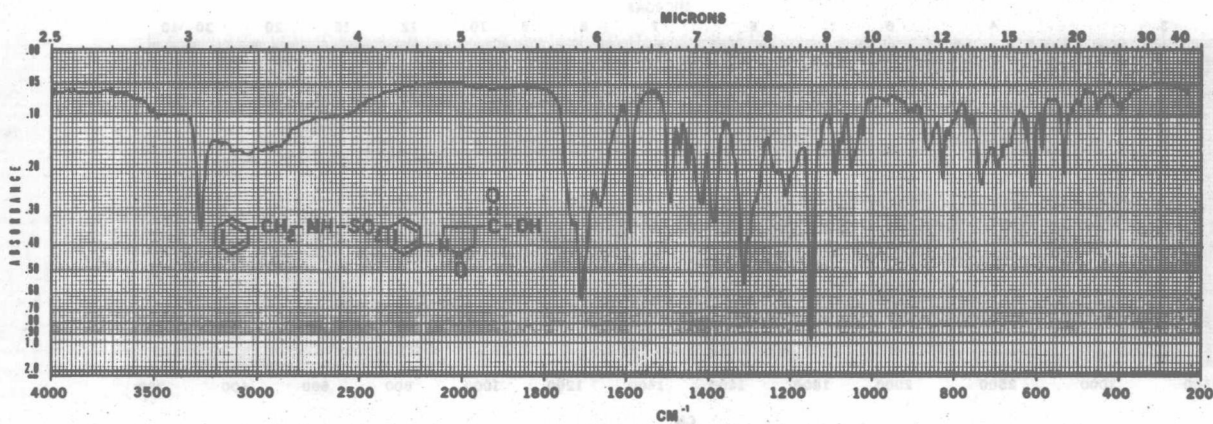
Source: Sadtler Research Laboratories, Inc.
Philadelphia, Pennsylvania



WAVENUMBER / INTENSITY

1595/120.3 1158/68.4 1001/44.7

KBr Wafer



1213 R

RAMAN DATA

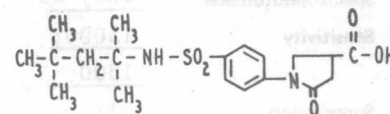
Spectrophotometer Cary 83
 Sensitivity 15000;
1500
 Suppression 45;
0
 Laser Power 70 mW
 Spectral Slitwidth 6 cm⁻¹

1-[p-(1,1,3,3-TETRAMETHYLBUTYLSULFAMOYL)-
 PHENYL]-5-OXO-3-PYRROLIDINECARBOXYLIC ACID

C₁₉H₂₈N₂O₅S Mol. Wt. 396.51

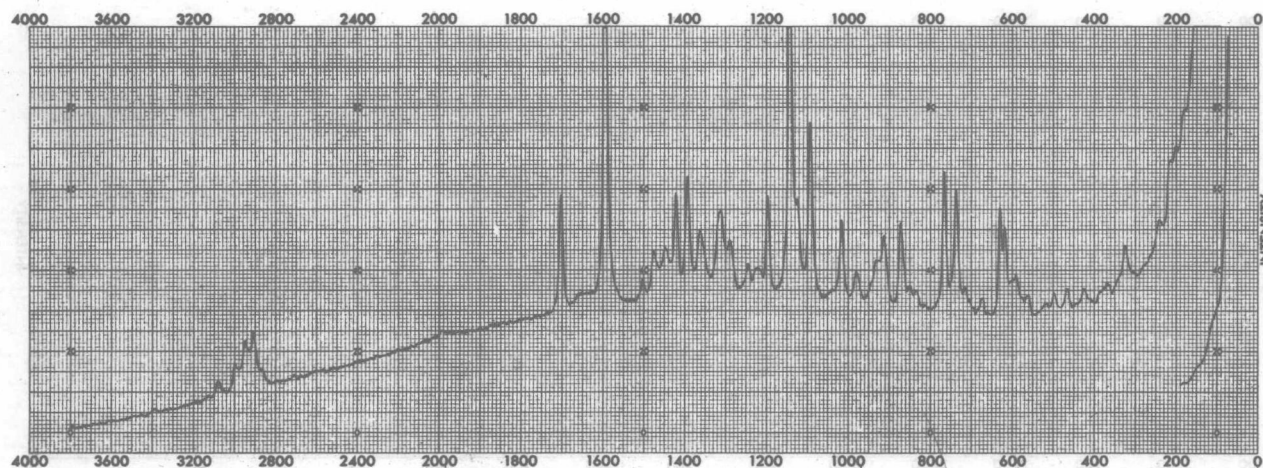
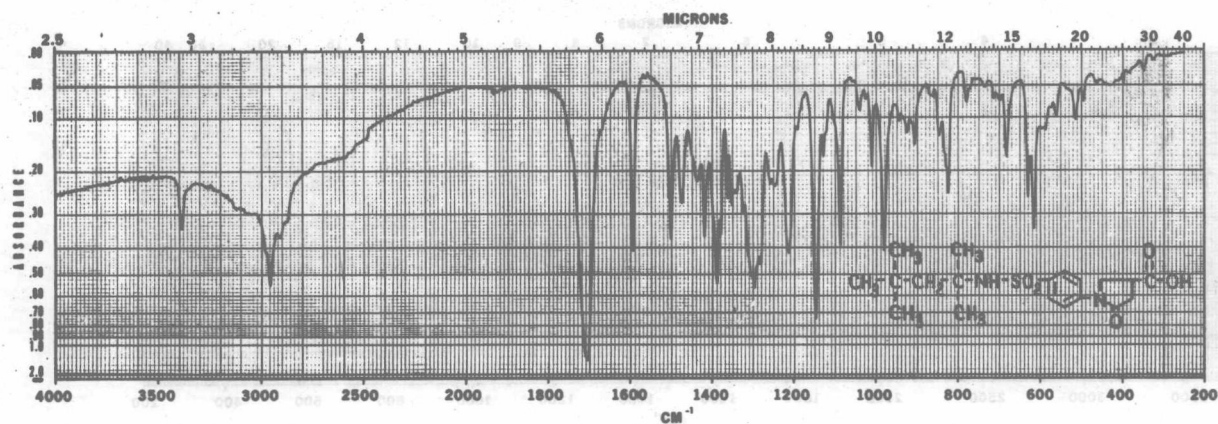
M.P. 159-160°C

Source: Sadtler Research Laboratories
 Philadelphia, Pennsylvania

**WAVENUMBER / INTENSITY**

1595/117.0 1144/104.6 1094/45.6

KBr Wafer



1214 R

RAMAN DATA

Spectrophotometer

Cary 83

Sensitivity

15000;

1500

Suppression

51;

0

Laser Power

70 mW

Spectral Slitwidth

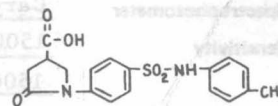
6 cm⁻¹

1-[p-(p-TOLYLSULFAMOYL)PHENYL]-5-OXO-3-PYRROLIDINECARBOXYLIC ACID

C₁₈H₁₈N₂O₅S

Mol. Wt. 374.42

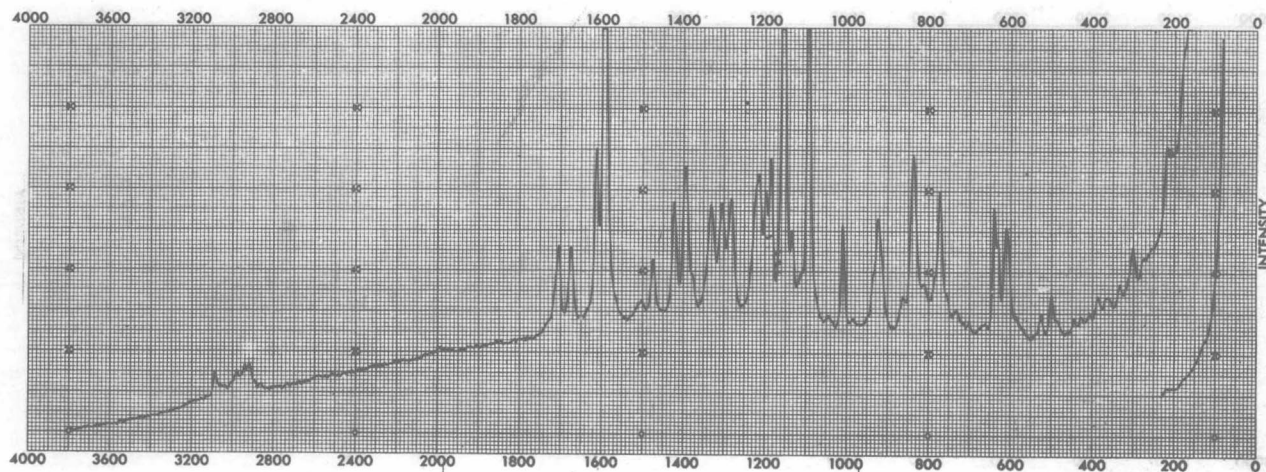
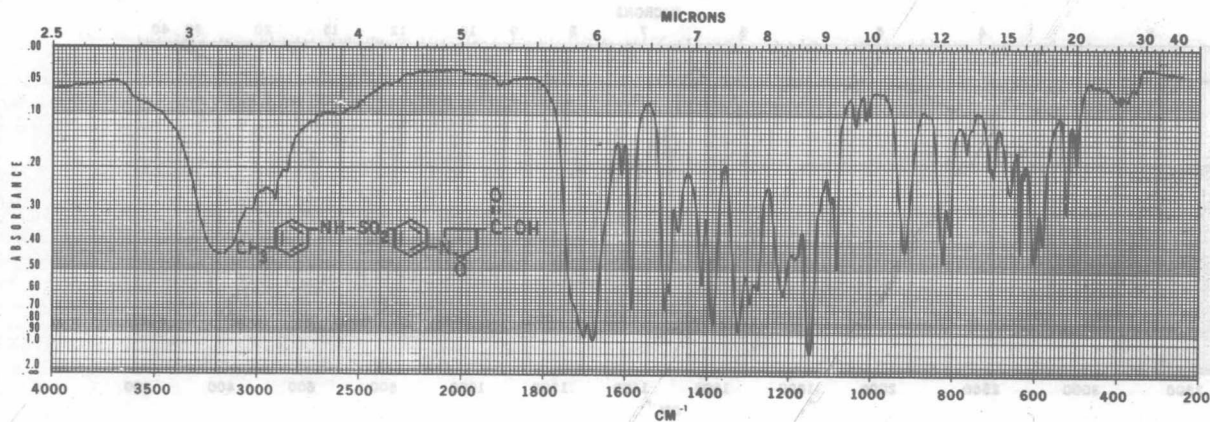
M.P. 146-147°C

Source: Sadtler Research Laboratories, Inc.
Philadelphia, Pennsylvania

WAVENUMBER / INTENSITY

1613/44.3	1594/144.4	1155/99.2
1096/87.1		

KBr Wafer



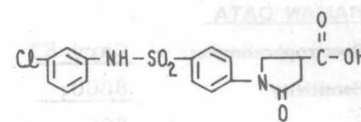
1-[p-(m-CHLOROPHENYLSULFAMOYL)PHENYL]-5-OXO
3-PYRROLIDINECARBOXYLIC ACID

RAMAN DATA

Spectrophotometer Cary 83
Sensitivity 5500;
550
Suppression 57;
0
Laser Power 70 mW
Spectral Slitwidth 6 cm⁻¹

C₁₇H₁₅ClN₂O₅S Mol. Wt. 394.84

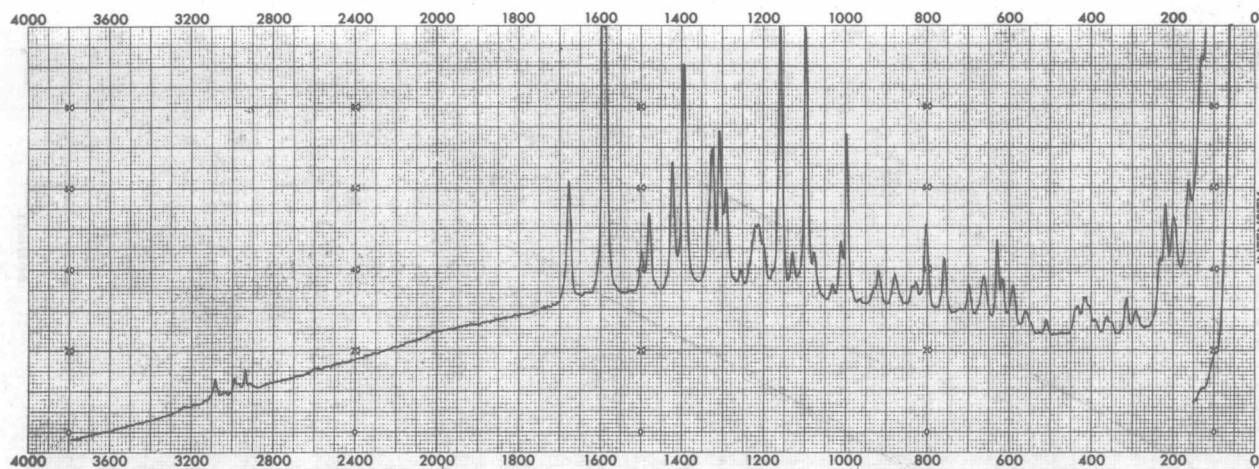
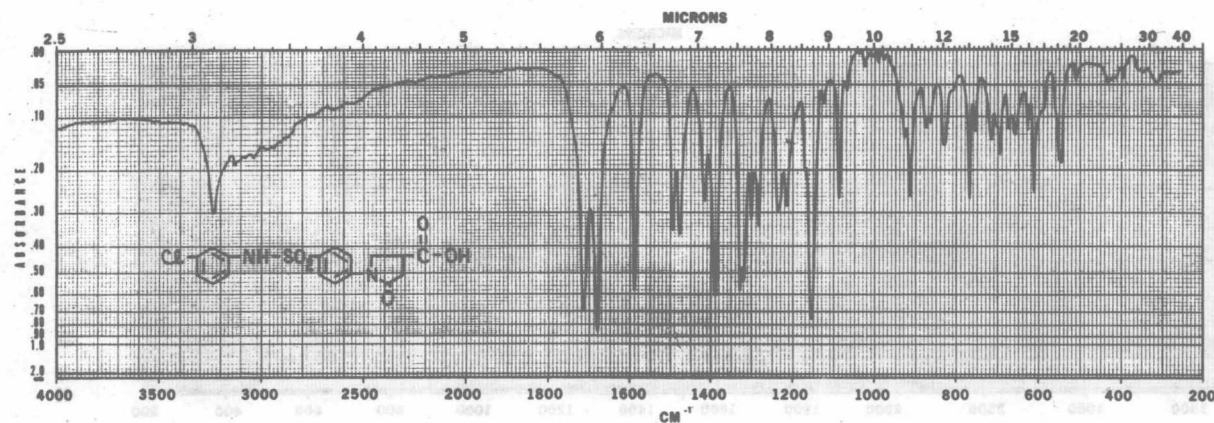
M.P. 205-206°C

Source: Sadtler Research Laboratories, Inc.
Philadelphia, Pennsylvania

WAVENUMBER / INTENSITY

1593/120.1 1159/72.8 1097/69.7
96/10.0

KBr Wafer



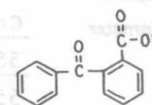
1216 R

o-BENZOYLBENZOIC ACID

 $C_{14}H_{10}O_3$

Mol. Wt. 226.23

M.P. 129-130°C

Source: Ohio State University
Columbus, Ohio

RAMAN DATA

Spectrophotometer Cary 83

Sensitivity 8000;

800

Suppression 51;

0

Laser Power 65 mW

Spectral Slitwidth 6 cm^{-1}

WAVENUMBER / INTENSITY

1596/97.4 1001/67.3

KBr Wafer

