

Standard
Infrared
Grating Spectra
Volume 25-26
24001 - 26000



SADTLER RESEARCH LABORATORIES, INC.

STANDARD GRATING SPECTRA

CREATIVE CHEMISTS SINCE 1874

3316 SPRING GARDEN ST., PHILADELPHIA, PA. 19104
TEL. 215 382-7800 • TWX 710 - 670-1186 • CABLE SADTLABS

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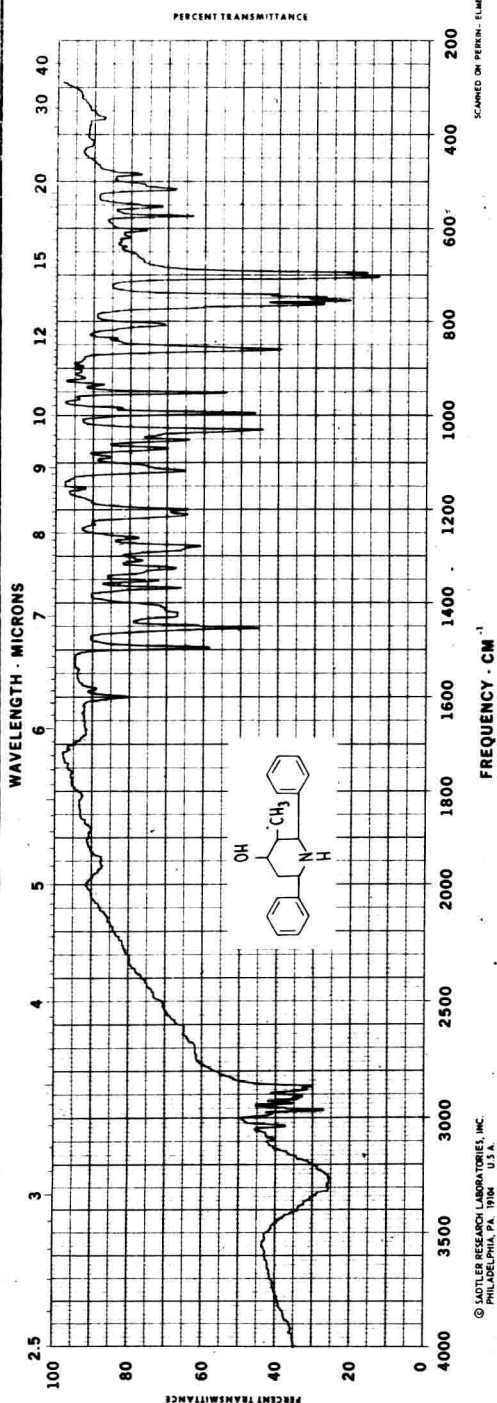
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2,6-DIPHENYL-3-METHYL-4-PIPERIDINOL (β-FORM)



C₁₈H₂₁NO

M.W. 267.37

M.P. 94-95°C

KBr Wafer

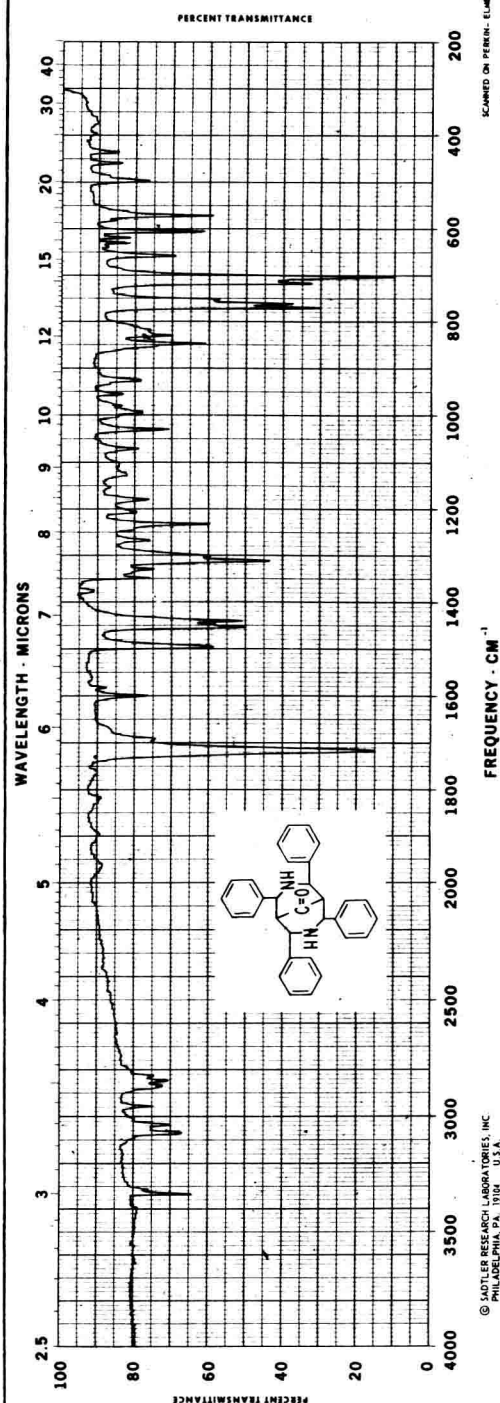


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Source: V. Baliah, Annamalai University, Annamalainagar, India

25999 K

2,4,6,8-TETRAPHENYL-3,7-DIAZABICYCLO[3.3.1]NONAN-9-ONE



C₃₁H₂₈N₂O

M.W. 444.58

M.P. 244-246°C

KBr Wafer

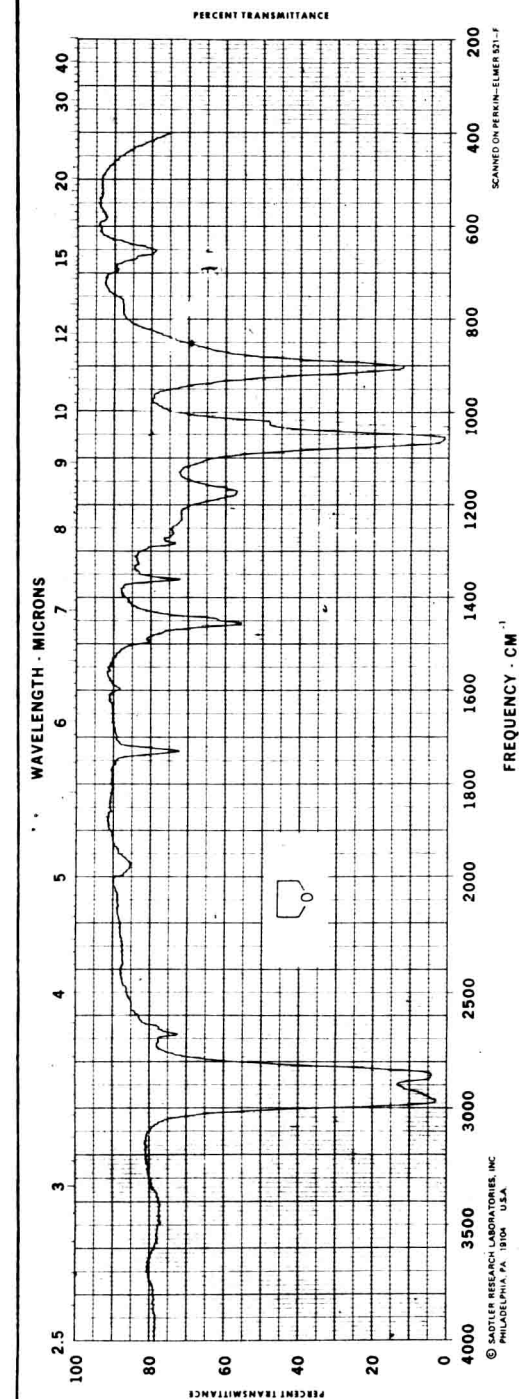


©1972

Source: V. Baliah, Annamalai University, Annamalainagar, India

26000 K

TETRAHYDROFURAN



C₄H₈O

M.W. 72.10

M.P. -105.5°C

d_4^{20} 0.8892

n_D^{20} 1.4070

Capillary Cell:
Neat

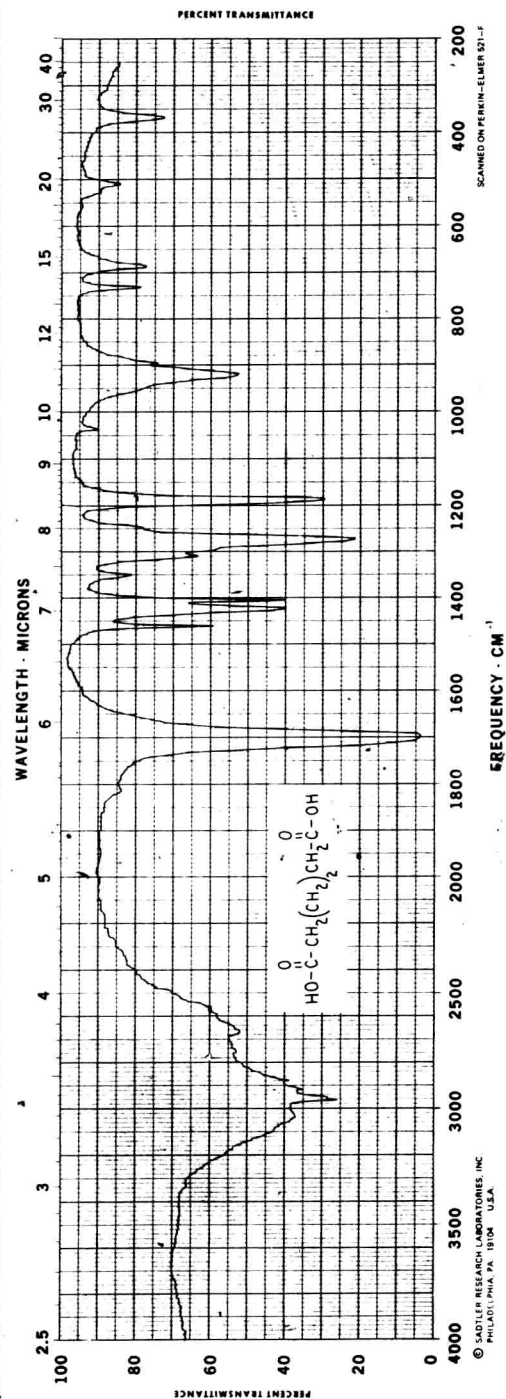


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Source: E. Merck AG, Darmstadt, Germany

24001 K

ADIPIC ACID



C₆H₁₀O₄

M.W. 146.14

M.P. 152°C

B.P. 265°C/100mm

KBr Wafer

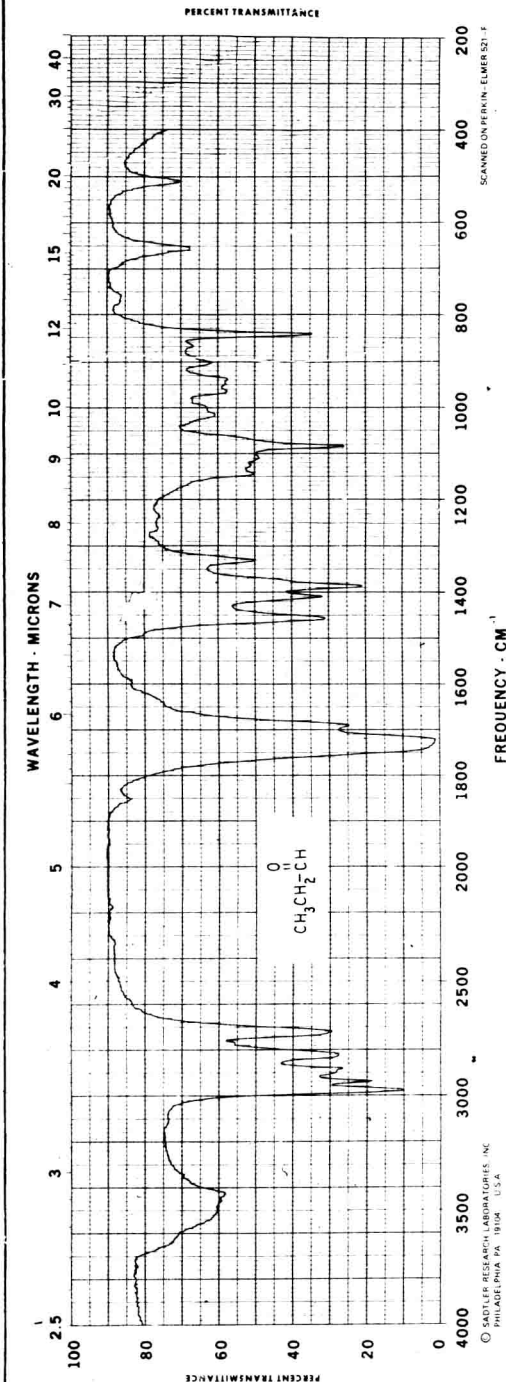


© 1972

Source: The Matheson Company, Inc., East Rutherford, New Jersey

24002 K

PROPIONALDEHYDE



$\text{C}_3\text{H}_6\text{O}$

M.W. 58.08

M.P. -81°C

d_4^{20} 0.8071

Capillary Cell:
Neat

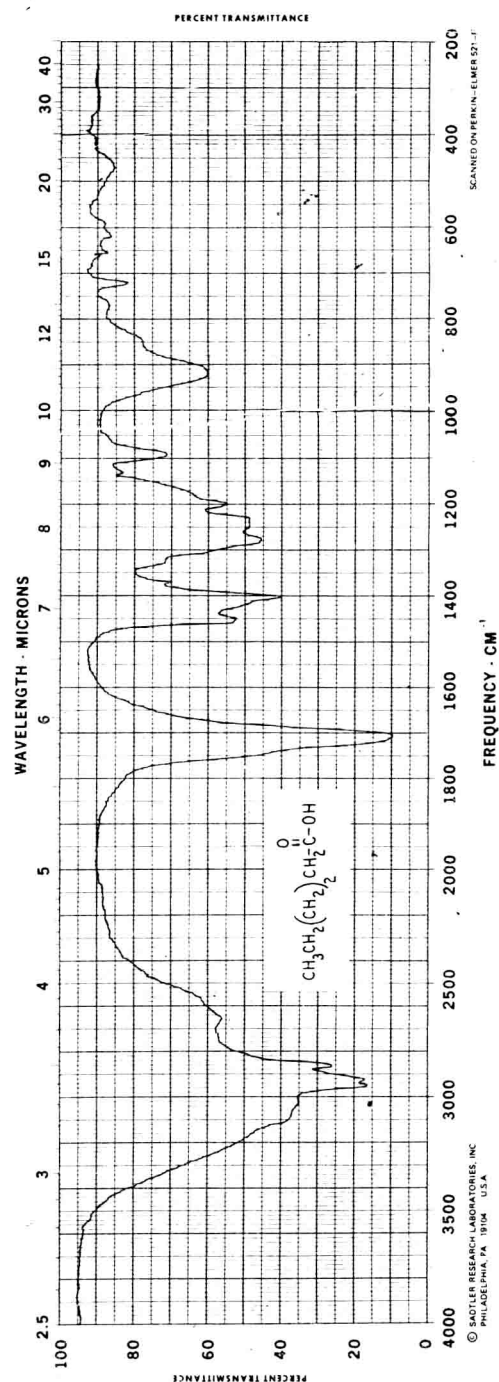


©1972

Source: E. Merck AG, Darmstadt, Germany

24003 K

HEXANOIC ACID



$\text{C}_6\text{H}_{12}\text{O}_2$

M.W. 116.16

B.P. $202-203^\circ\text{C}$

n_D^{20} 1.4161

Capillary Cell:
Neat

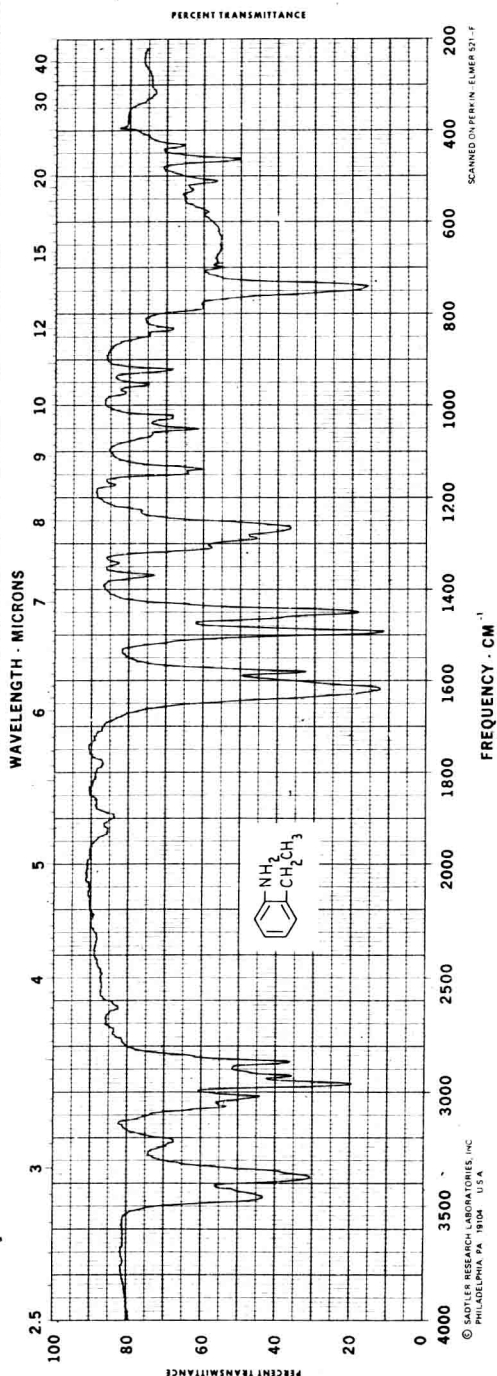


©1972

Source: Aldrich Chemical Company, Milwaukee, Wisconsin

24004 K

O-ETHYLANILINE



$C_8H_{11}N$

M.W. 121.18

Capillary Cell:
Neat

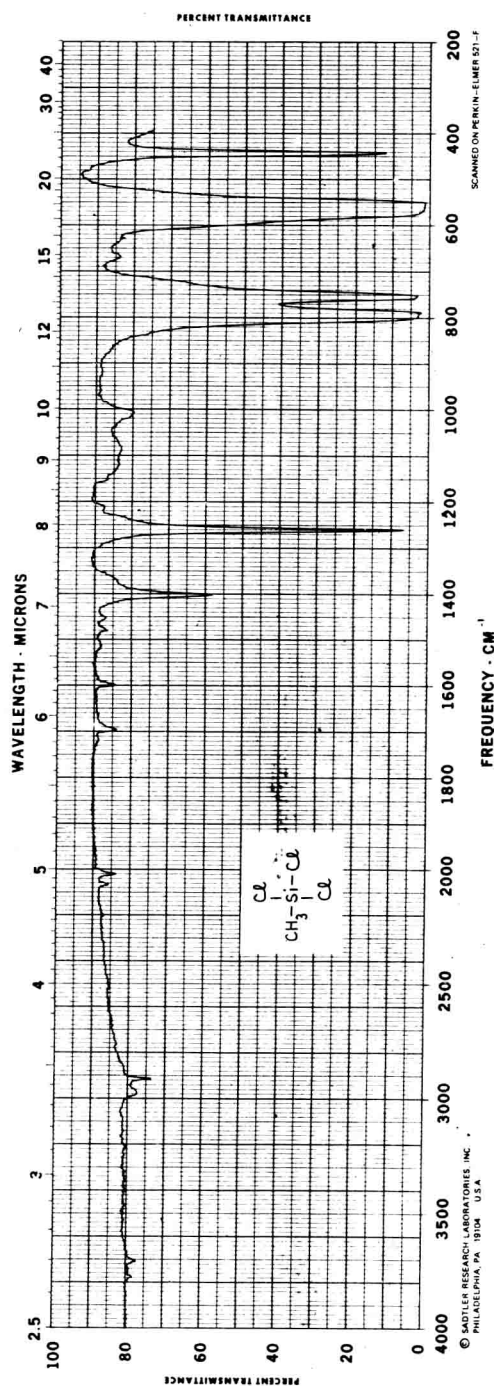


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Source: E. Merck AG, Darmstadt, Germany

24005 K

METHYLTRICHLOROSILANE



CH_3Cl_3Si

M.W. 149.48

Capillary Cell:
Neat

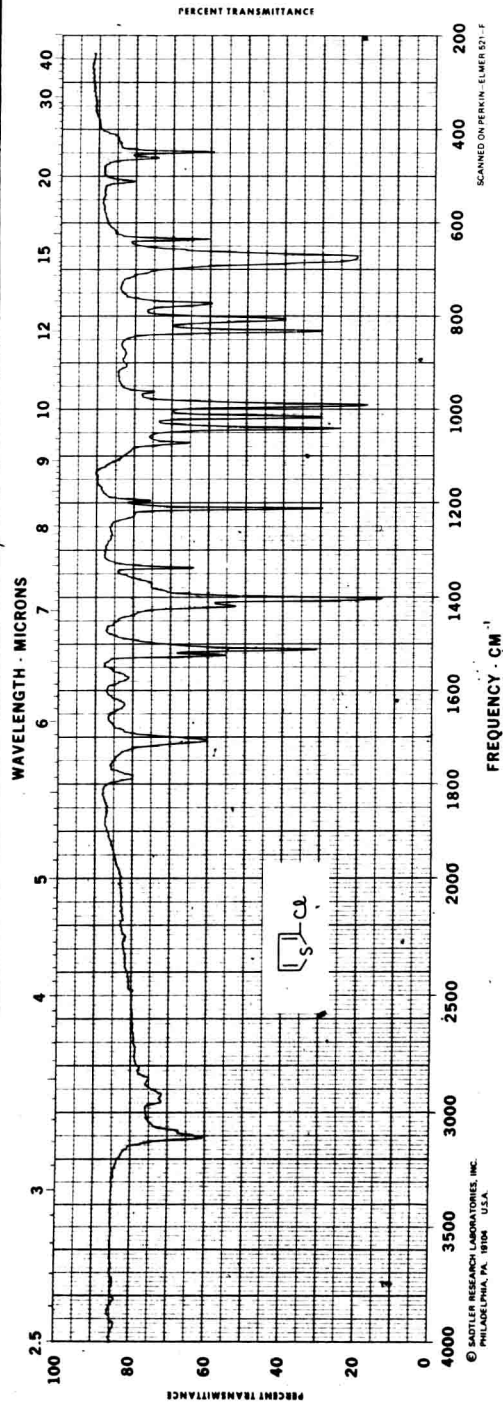


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Source: E. Merck AG, Darmstadt, Germany

24006 K

2-CHLOROTHIOPHENE



C₄H₃ClS

M.W. 118.59

B.P. 127-129°C

n_D²⁰ 1.5483

Capillary Cell:
Neat

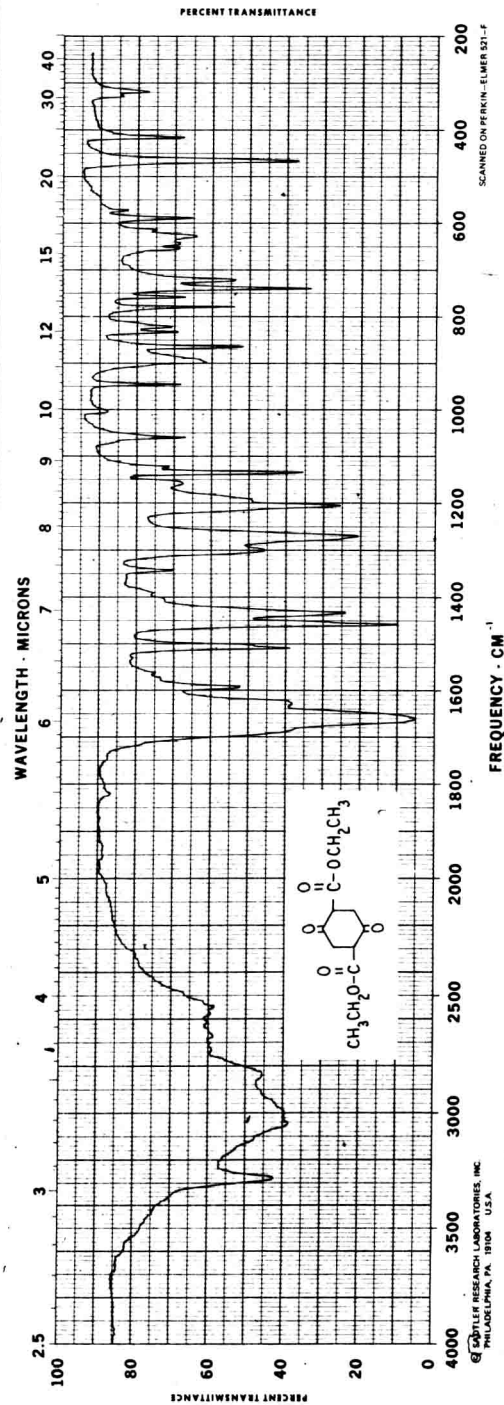


© 1972

Source: Aldrich Chemical Company, Milwaukee, Wisconsin

24007 K

2,5-DIOXOCYCLOHEXANE-1,4-DICARBOXYLIC ACID, DIETHYL ESTER



C₁₂H₁₆O₆

M.W. 256.26

M.P. 155°C

KBr Wafer



© 1972

Source: National Aniline Division, Morristown, New Jersey

24008 K

PROPYLAMINE

C_3H_9N

M.W. 59.11

M.P. $-83^{\circ}C$

d_{20}^{20} 0.719

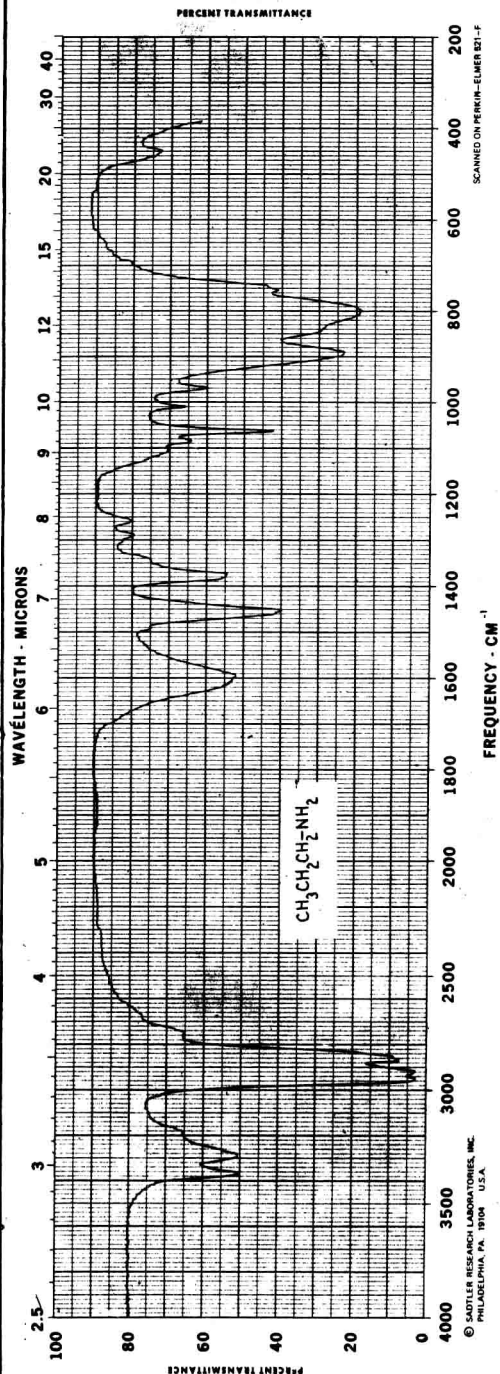
n_D^{20} 1.389

Capillary Cell;
Neat



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24009 K



Source: E. Merck AG, Darmstadt, Germany

HEXAMETHYLENEBIS[TRIMETHYLAMMONIUM BROMIDE]

$C_{12}H_{30}Br_2N_2$

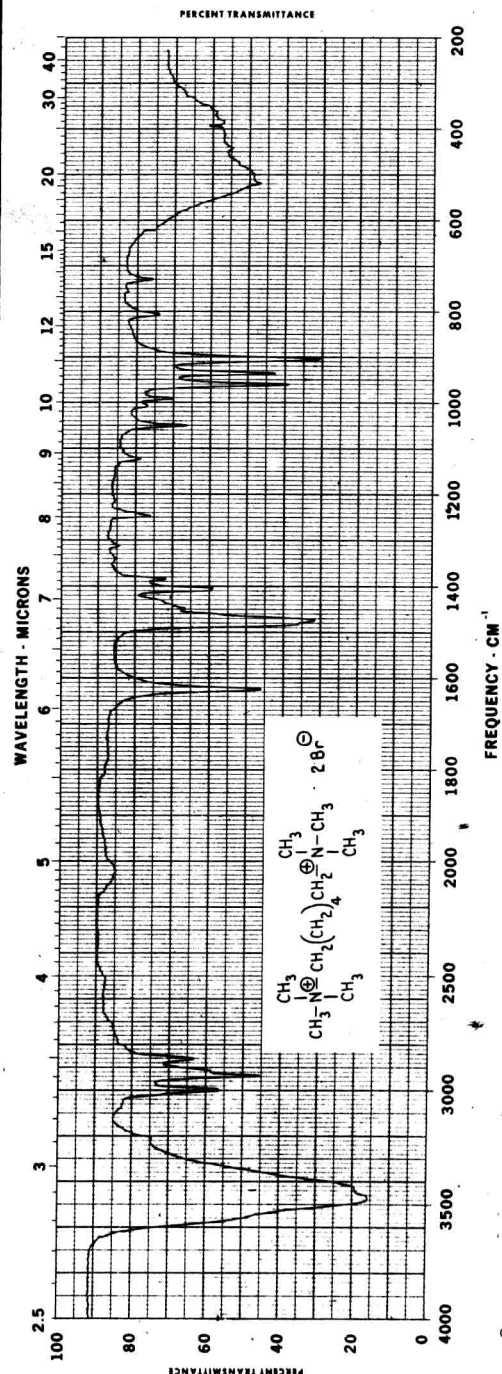
M.W. 362.20

KBr Wafer



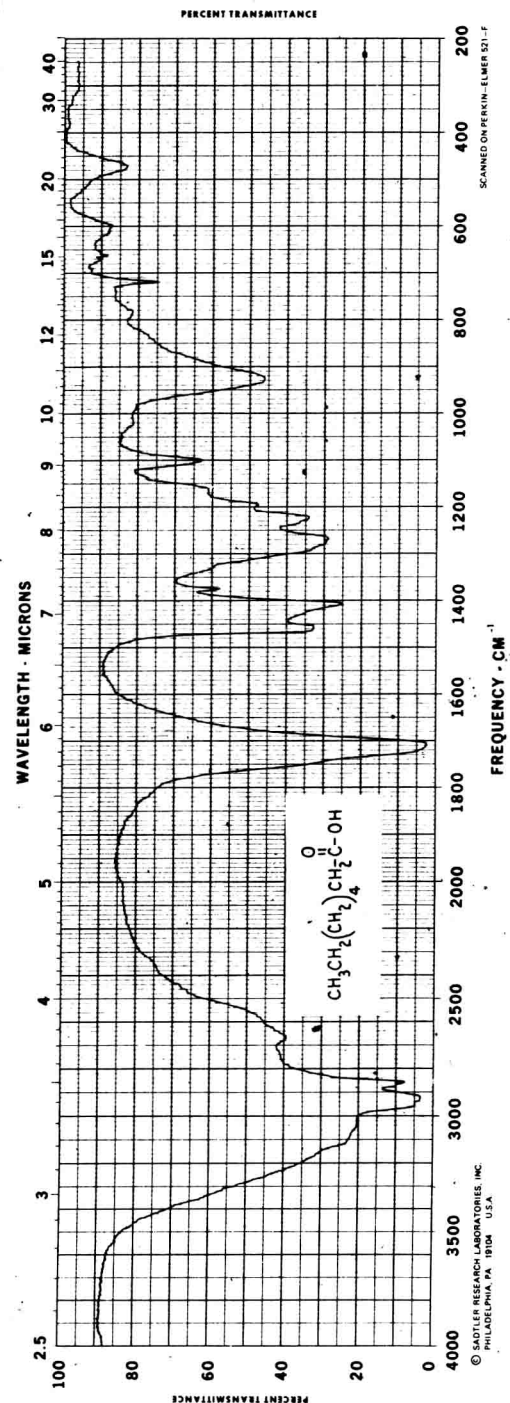
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24010 K



Source: E. Merck AG, Darmstadt, Germany

OCTANOIC ACID



$C_8H_{16}O_2$
 M.W. 144.22
 B.P. 237.5°C

n_D^{20} 1.4278

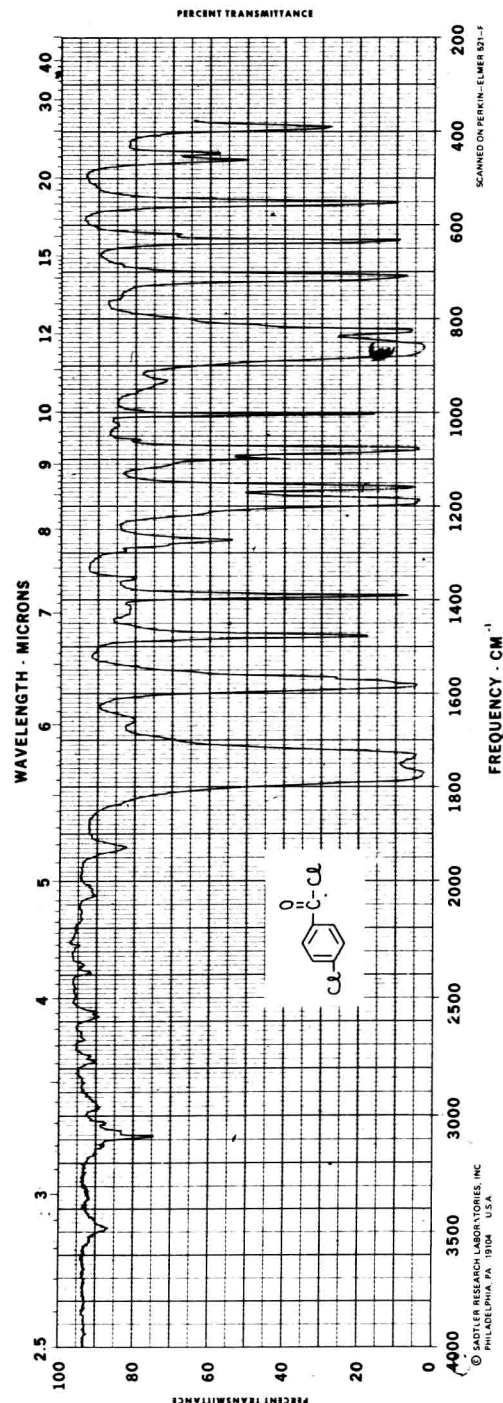
Capillary Cell:
 Neat



Source: Aldrich Chemical Company, Milwaukee, Wisconsin

24011 K

p-CHLOROBENZYL CHLORIDE



$C_7H_4Cl_2O$
 M.W. 175.02

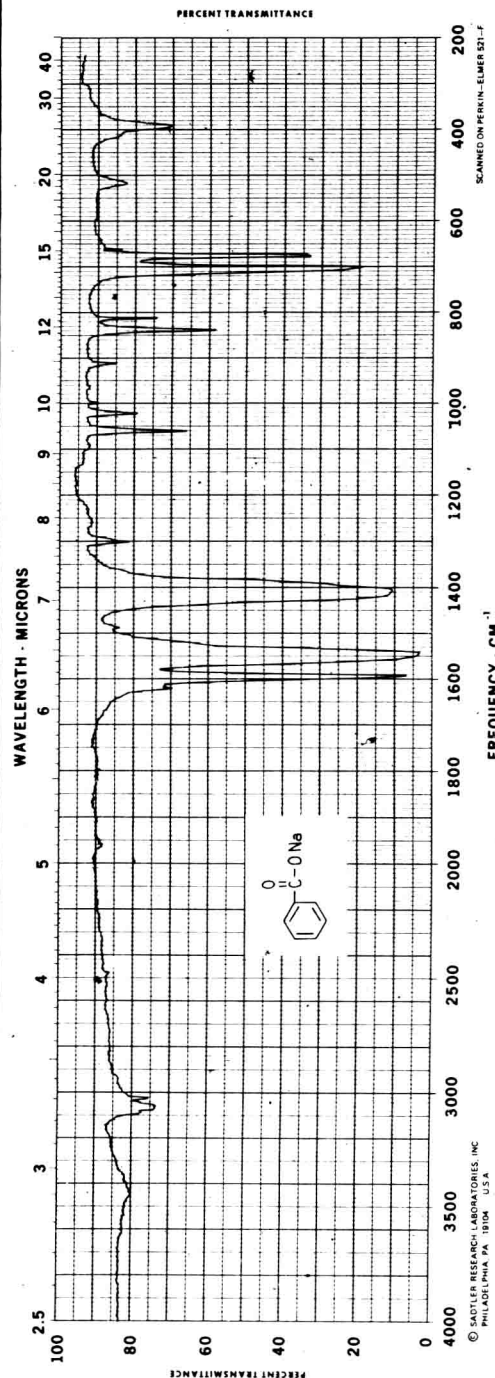
KBr Wafer



Source: The Matheson Company, Inc., East Rutherford, New Jersey

24012 K

BENZOIC ACID, SODIUM SALT



$C_7H_5NaO_2$

M.W. 144.11

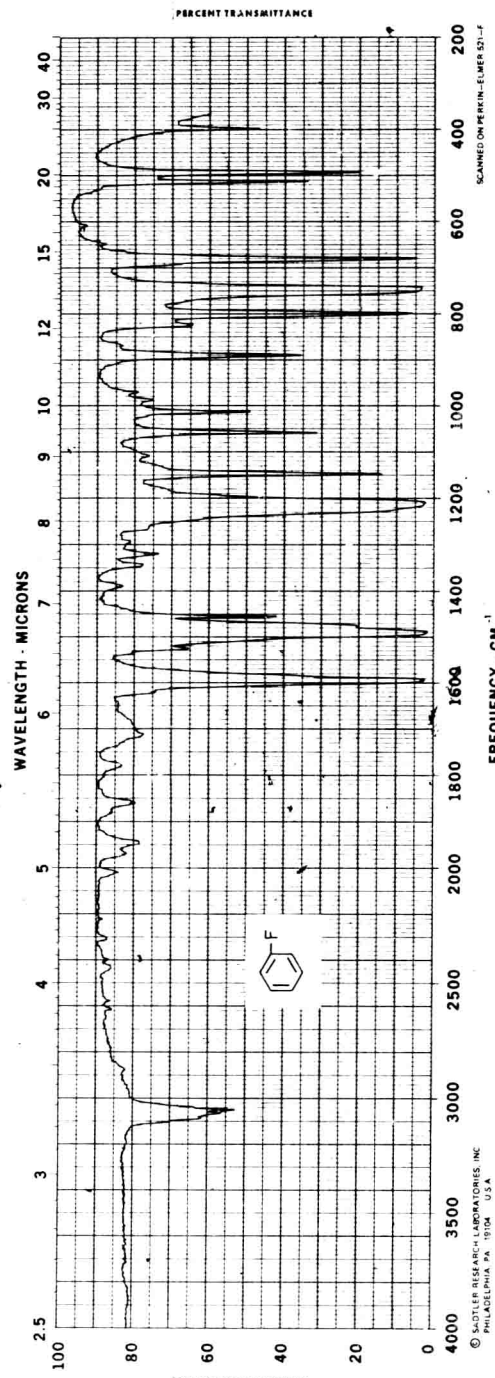
Capillary Cell:
Neat

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Source: Tenneco Chemical Inc., New York City, New York

24013 K

FLUOROBENZENE



C_6H_5F

M.W. 96.11

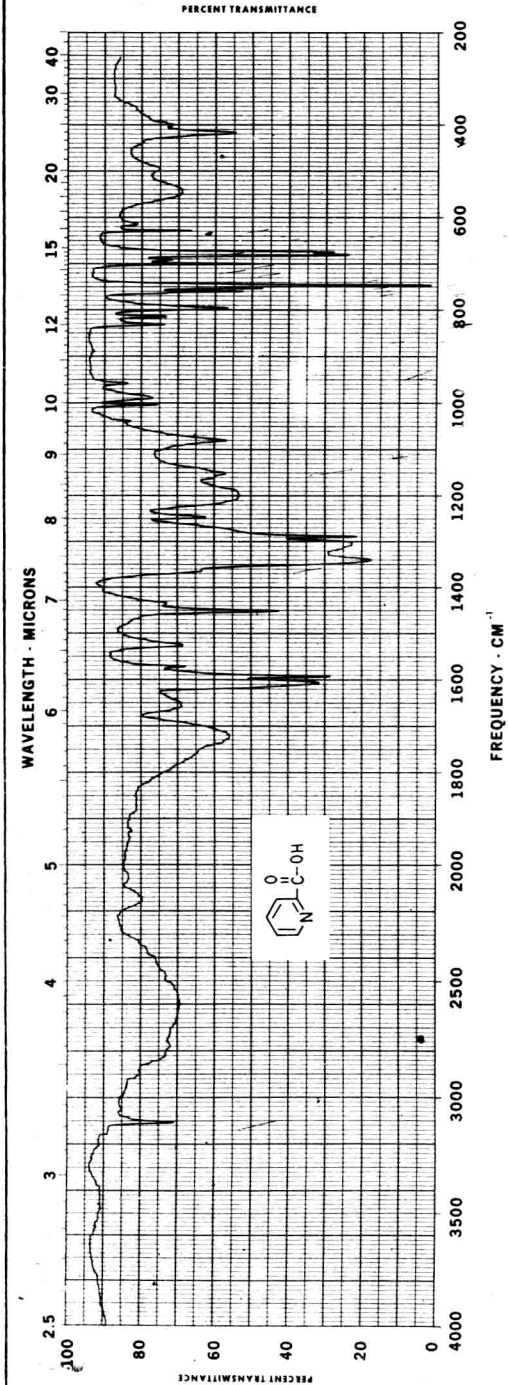
Capillary Cell:
Neat

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Source: E. Merck AG, Darmstadt, Germany

24014 K

PICOLINIC ACID



$C_6H_5NO_2$

M.W. 123.11

KBr Wafer

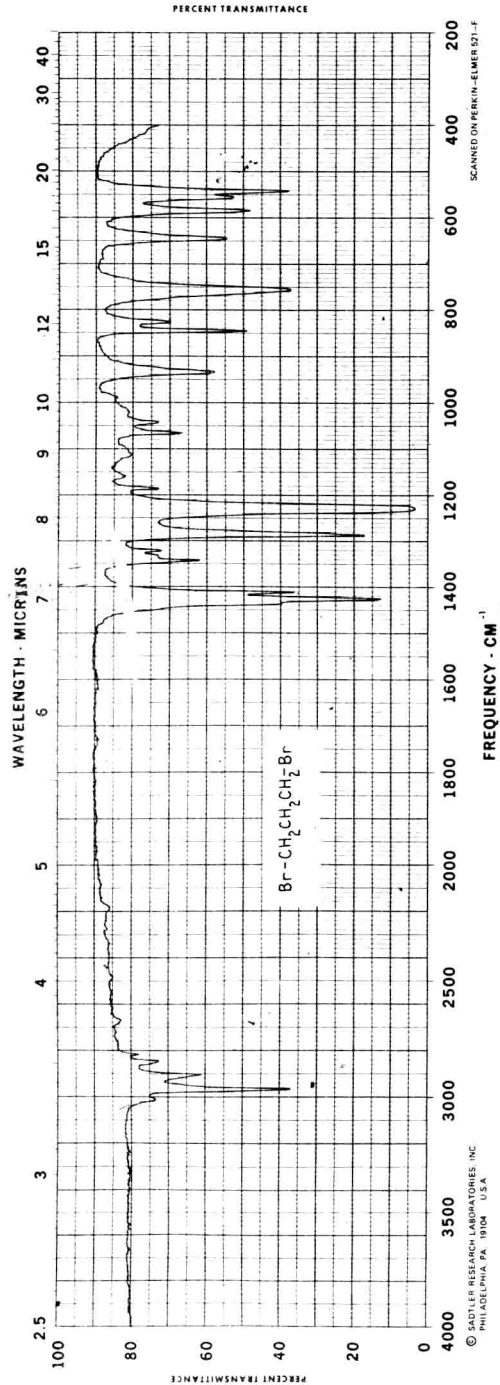


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Source: Bofors Industries Inc., Sweden

24015 K

1,3-DIBROMOPROPANE



$C_3H_6Br_2$

M.W. 201.90

Capillary Cell:
Neat

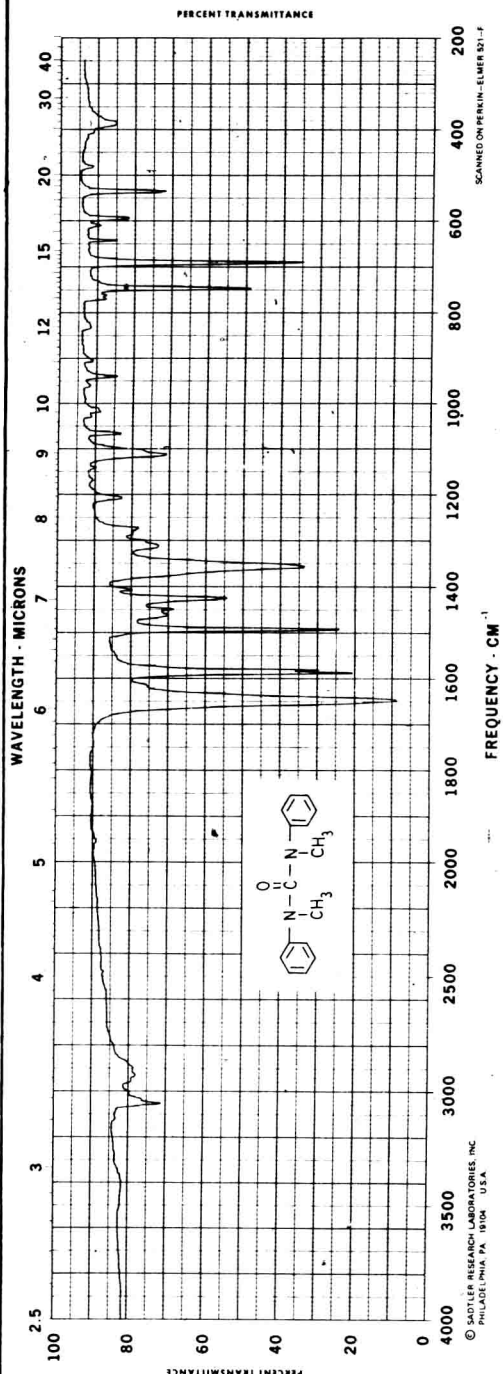


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Source: E. Merck AG, Darmstadt, Germany

24016 K

N, N' -DIMETHYLCARBANILIDE



C₁₅H₁₆N₂O

M.W. 240.31

M.P. 120-122°C

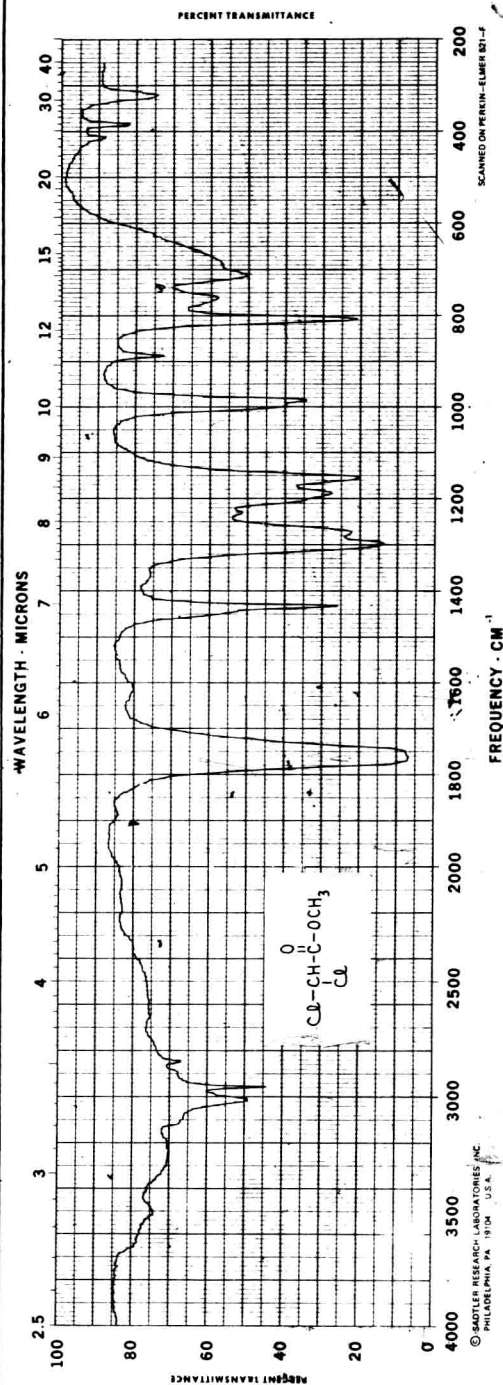
KBr Wafer



Source: Eastman Organic Chemicals, Rochester, New York

24017 K

DICHLOROACETIC ACID, METHYL ESTER



C₃H₄Cl₂O₂

M.W. 142.97

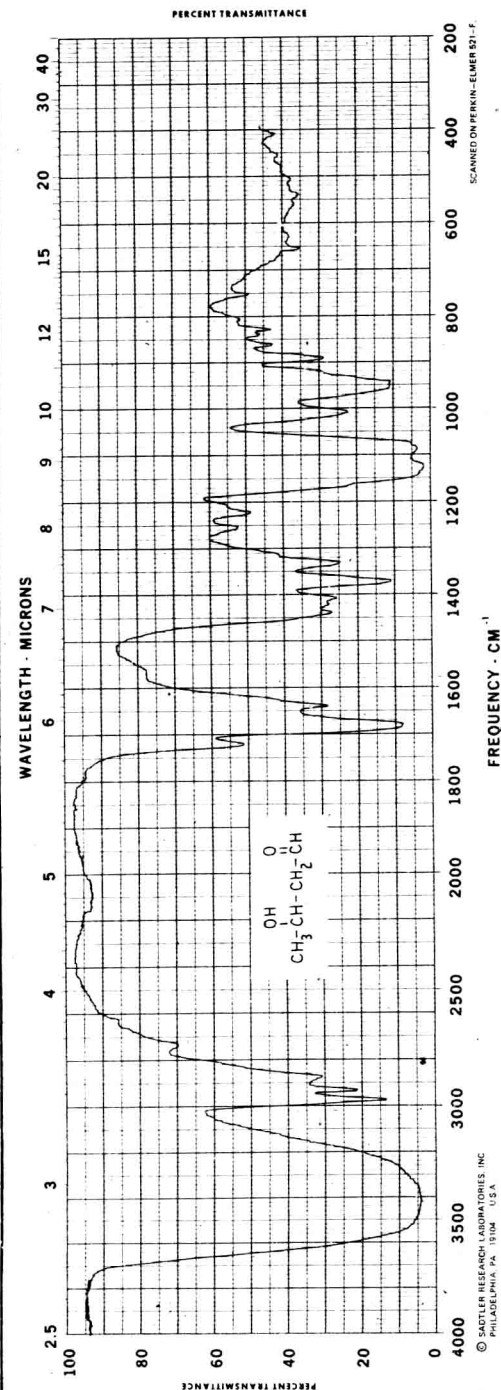
Capillary Cell:
Neat



Source: The Matheson Company, Inc., East Rutherford, New Jersey

24018 K

ALDOL



C₄H₈O₂

M.W. 88.11

B.P. 83°C(dec.)

KBr Wafer

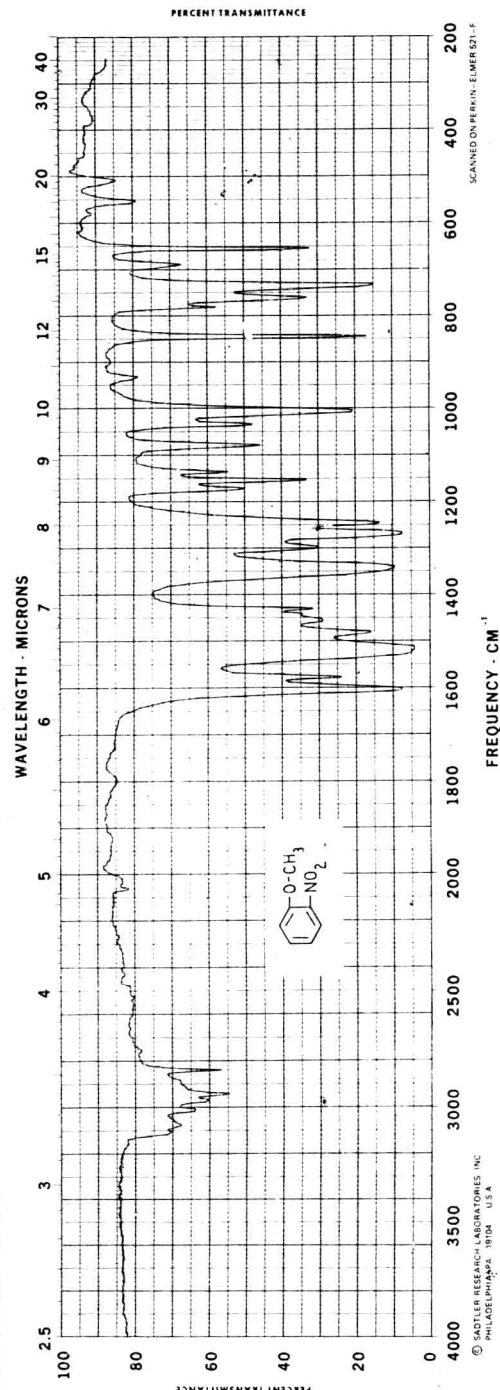


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Source: Fluka AG, Buchs, Switzerland

24019 K

O-NITROANISOLE



C₇H₇NO₃

M.W. 153.14

M.P. 9-10°C

Capillary Cell:
Neat

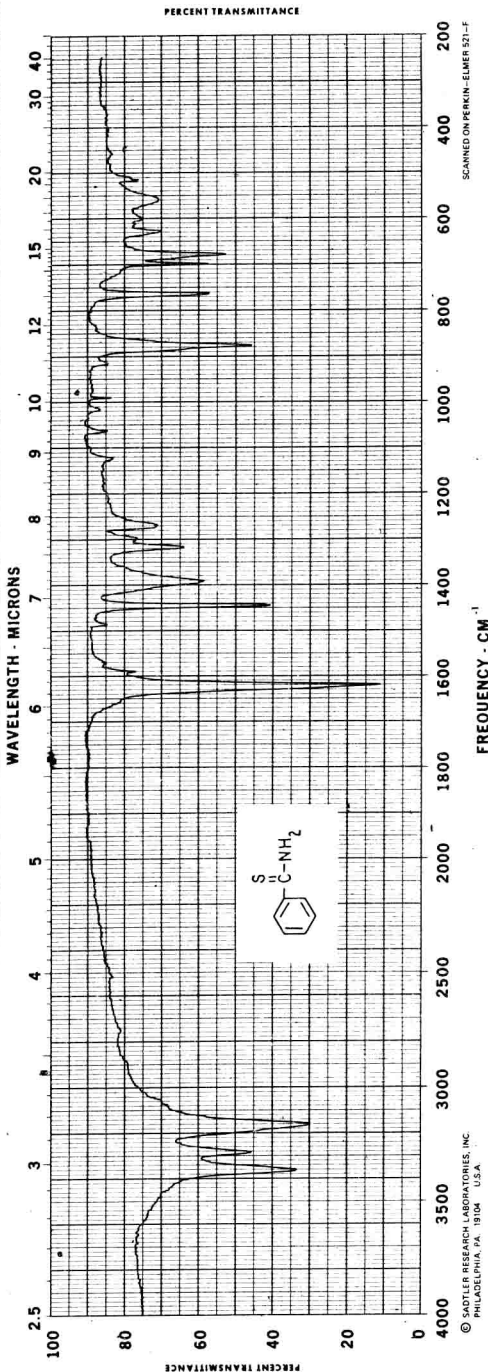


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Source: The Matheson Company, Inc., East Rutherford, New Jersey

24020 K

THIOBENZAMIDE



$\text{C}_7\text{H}_7\text{NS}$

M.W. 137.21

M.P. 111-114°C

KBr Wafer

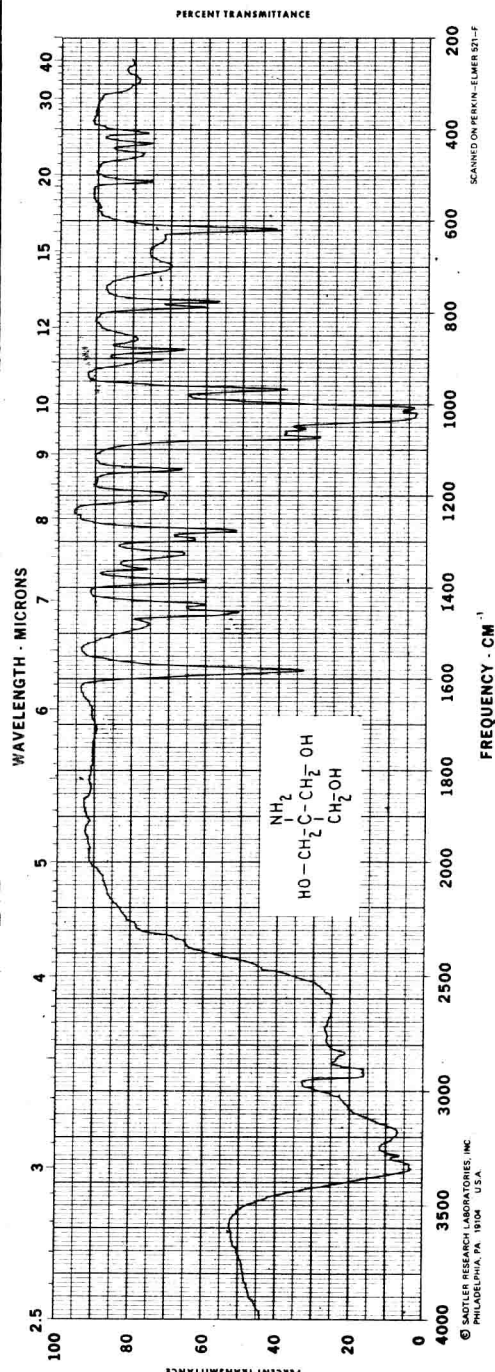


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Source: Aldrich Chemical Company, Milwaukee, Wisconsin

24021 K

2-AMINO-2-(HYDROXYMETHYL)-1,3-PROPANEDIOL



$\text{C}_4\text{H}_{11}\text{NO}_3$

M.W. 121.14

M.P. 171.2-

172.3°C

KBr Wafer

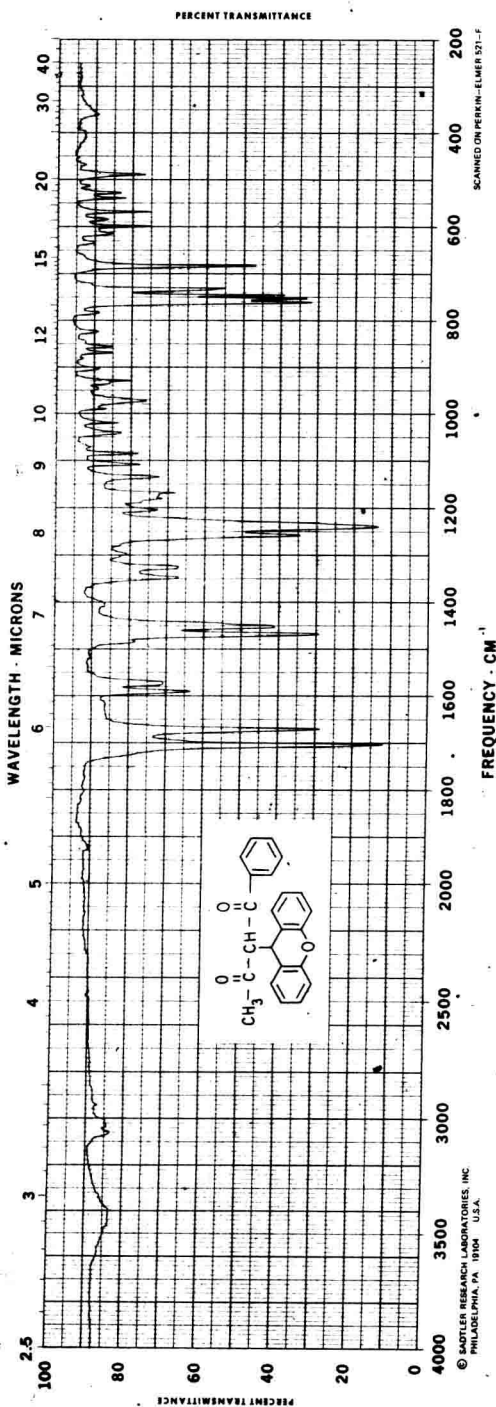


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Source: Aldrich Chemical Company, Milwaukee, Wisconsin

24022 K

1-PHENYL-2-(9-XANTHENYL)-1,3-BUTANEDIONE



$C_{23}H_{18}O_3$

M.W. 342.40

M.P. 171-172°C

KBr Wafer

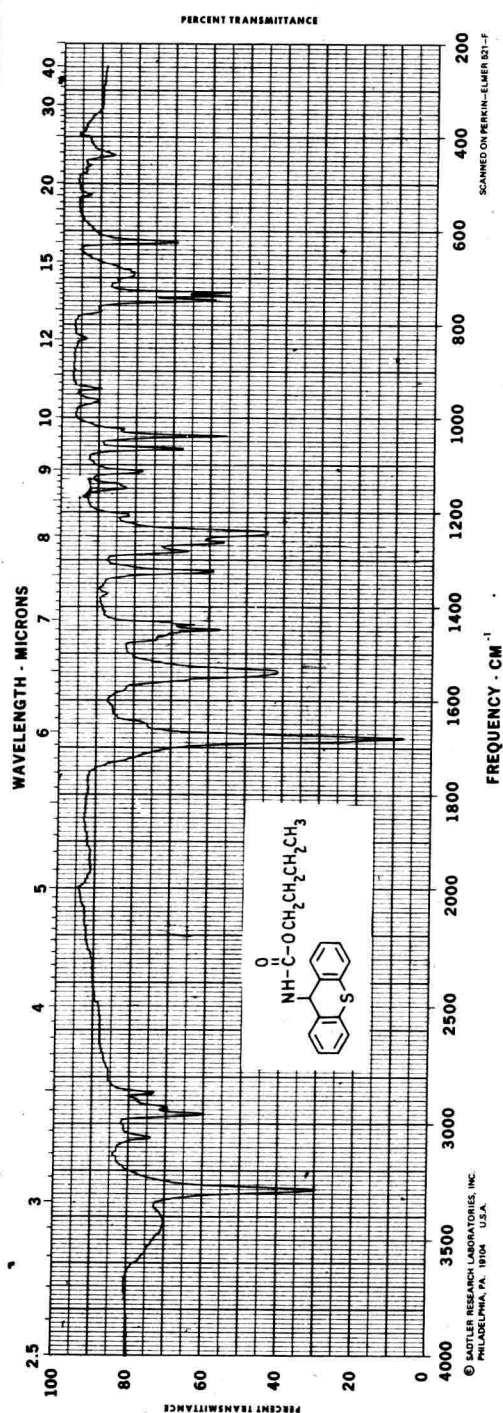


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24023 K

Source: E. Sawicki, University of Florida, Gainesville, Florida

THIOXANTHENE-9-CARBAMIC ACID, BUTYL ESTER



$C_{18}H_{19}NO_2S$

M.W. 313.42

M.P. 91-92°C

KBr Wafer



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24024 K

Source: E. Sawicki, University of Florida, Gainesville, Florida

3-[(9-XANTHENYL) THIO] PROPIONIC ACID

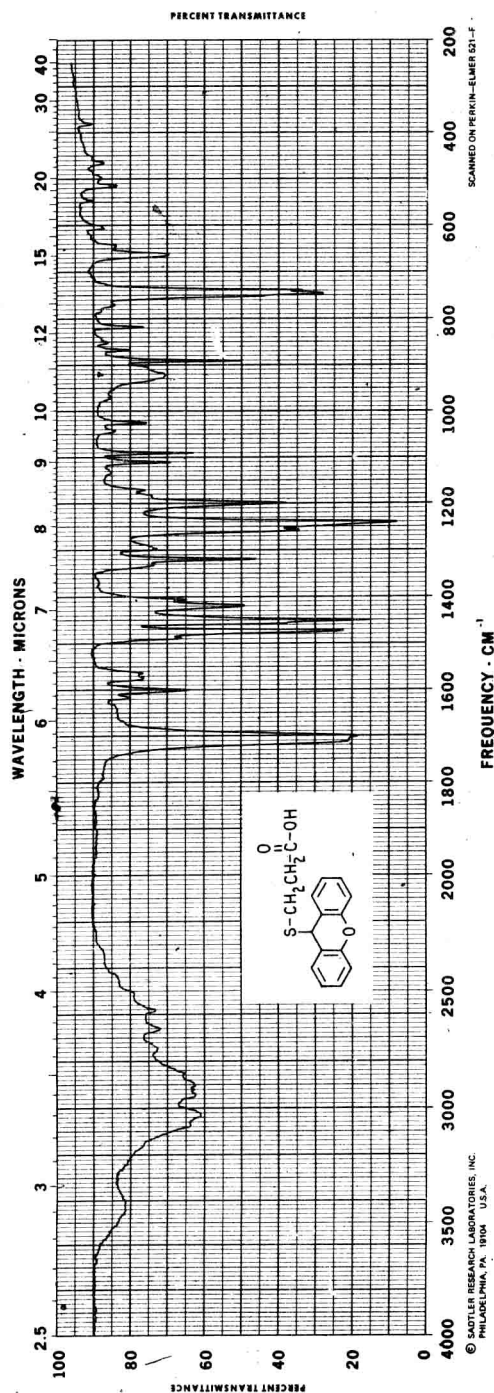
$C_{16}H_{14}O_3S$
M.W. 286.35
M.P. 84-85°C

KBr Wafer



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24025 K



Source: E. Sawicki, University of Florida, Gainesville, Florida

(FLUOROACETYL)CARBAMIC ACID, 2-CHLOROETHYL ESTER

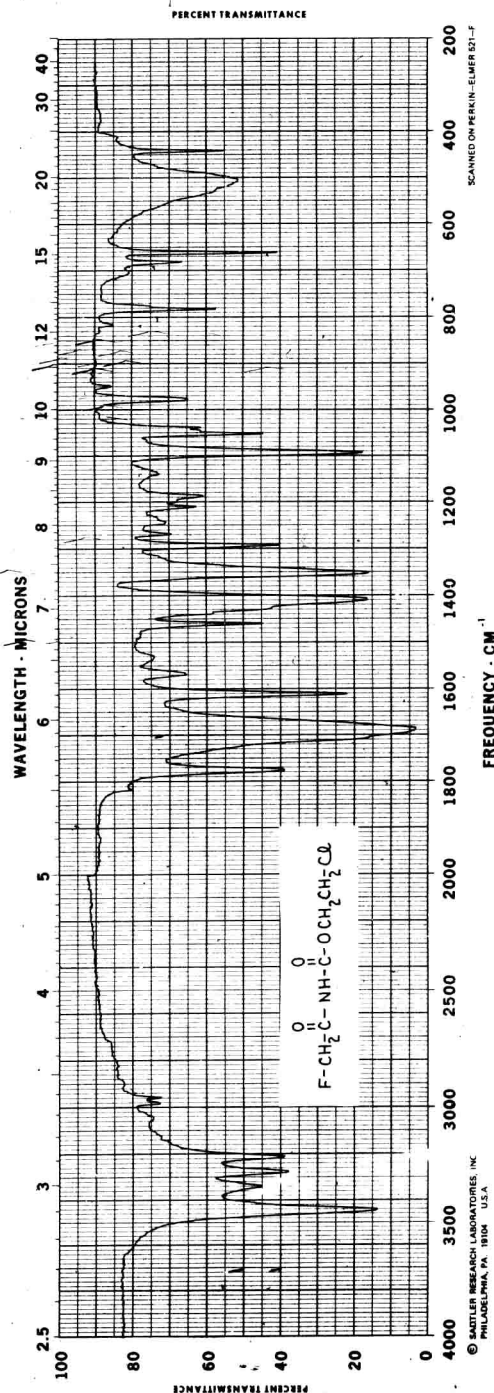
$C_5H_7ClFNO_3$
M.W. 183.57
M.P. 59-61°C

KBr Wafer



© 1972

24026 K



Source: E. Sawicki, University of Florida, Gainesville, Florida