

SADTLER

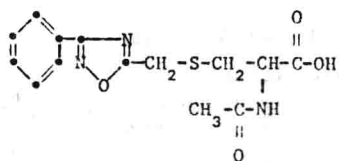
**Standard
Infrared
Grating Spectra**

Volume 53 – 54

52001 – 54000 K

L-N-ACETYL-3-[(3-PHENYL-1,2,4-OXADIAZOL-5-YL)METHYL]-
CYSTEINE

52001 K



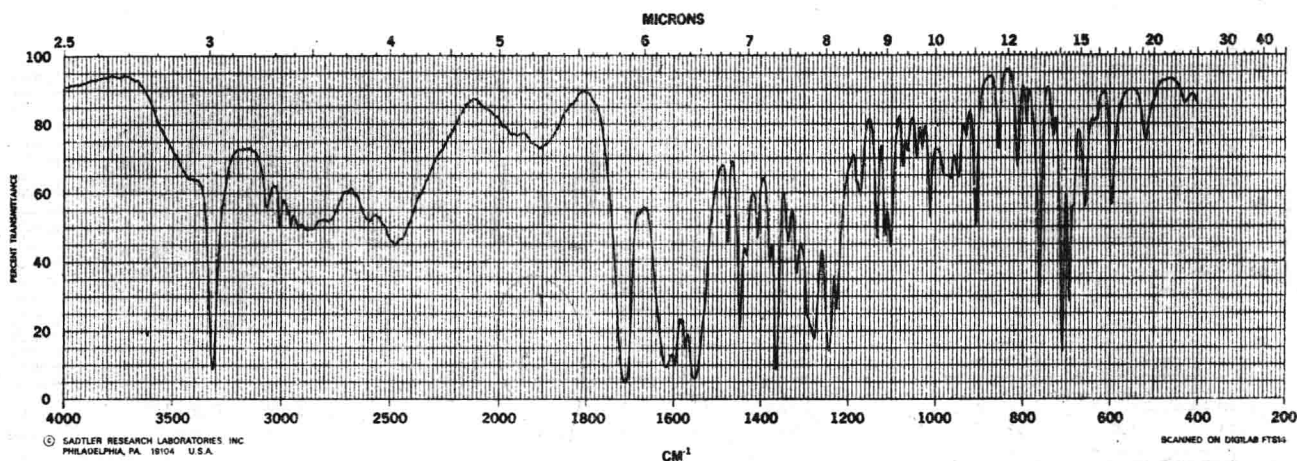
$C_{14}H_{15}N_3O_4S$

Mol. Wt. 321.36

M.P. 155-156°C

Source of Sample: P. D. Schickedantz,
Lorillard Research Center,
Greensboro, N. Carolina

Ref.: J. Agric. Food Chem. 24, 876(1976)
KBr Wafer

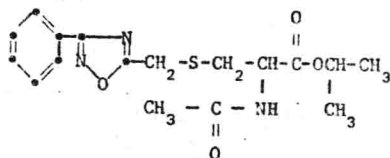


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L-N-ACETYL-3-[(3-PHENYL-1,2,4-OXADIAZOL-5-YL)METHYL]-
CYSTEINE, ISOPROPYL ESTER

52002 K



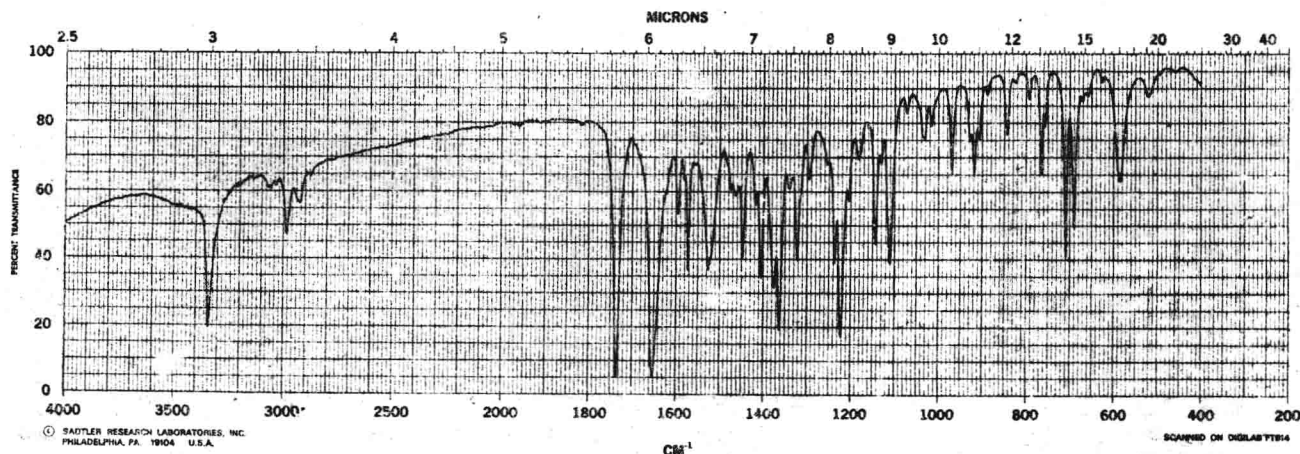
$C_{17}H_{21}N_3O_4S$

Mol. Wt. 363.44

M.P. 95-96°C

Source of Sample: P. D. Schickedantz,
Lorillard Research Center,
Greensboro, N. Carolina

Ref.: J. Agric. Food Chem. 24, 876(1976)
KBr Wafer



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52003 K

3-PHENYL-1,2,4-OXADIAZOLE-5-ETHANOL, ACETATE (ESTER)

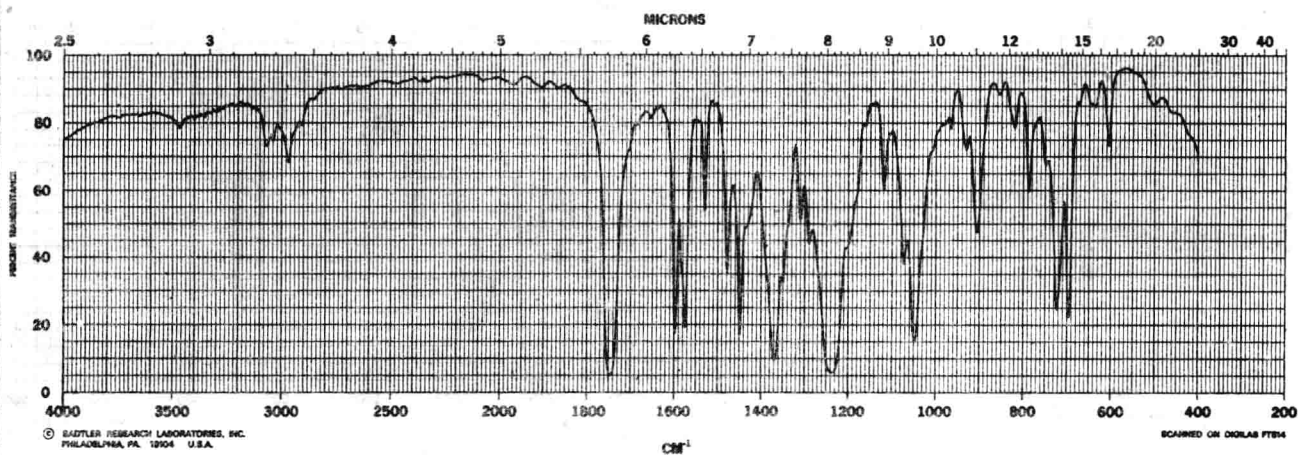
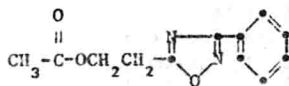
 $C_{12}H_{12}N_2O_3$ Mol. Wt. 232.24

M.P. 38.5-40°C

B.P. 100-122°C/0.1 mm

Source of Sample: P. D. Schickedantz,
Lorillard Research Center,
Greensboro, N. Carolina

Capillary Cell: Melt (Liquid Phase)

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52004 K

5-(IODOMETHYL)-3-PHENYL-1,2,4-OXADIAZOLE

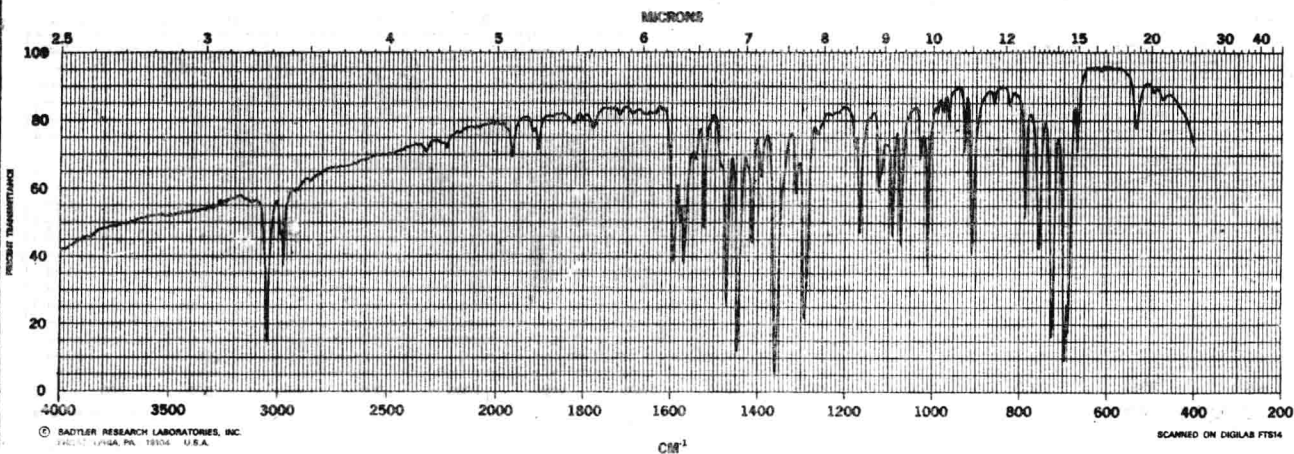
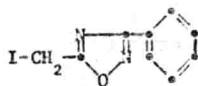
 $C_9H_7IN_2O$ Mol. Wt. 286.07

M.P. 65-66°C

Source of Sample: P. D. Schickedantz,
Lorillard Research Center,
Greensboro, N. Carolina

Ref.: J. Agric. Food Chem. 24, 876 (1976)

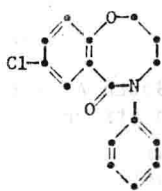
Capillary Cell: Melt (Liquid Phase)

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SCANNED ON DIGILAS FT84

8-CHLORO-3,4-DIHYDRO-5-PHENYL-2H-1,5-BENZOXAZOCIN-6(5H)-ONE

52005 K



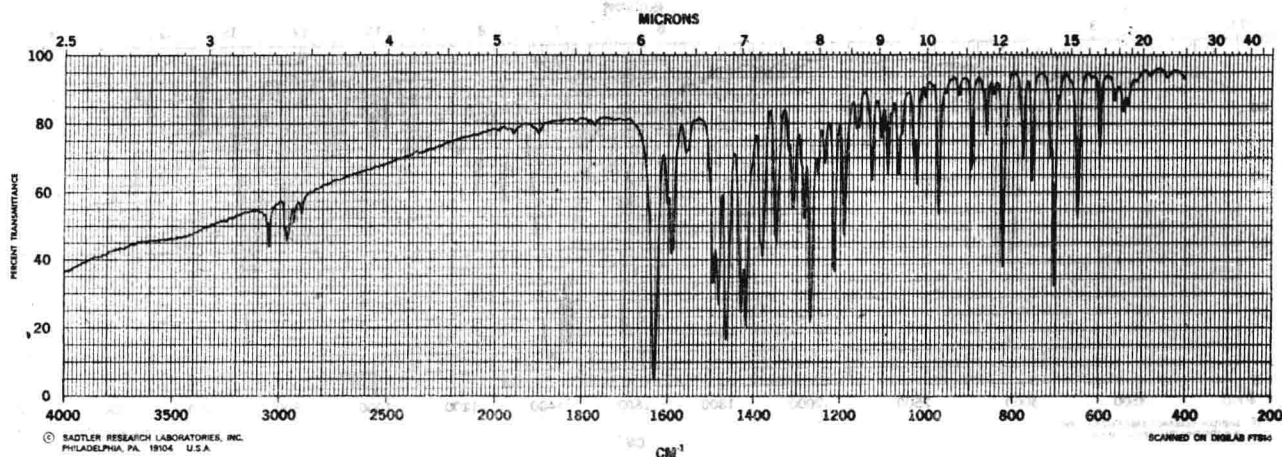
$C_{16}H_{14}ClNO_2$

Mol. Wt. 287.75

M.P. 151-152°C

Source of Sample: G. Orzalesi,
Soc. L. Manetti-H. Roberts & C.,
Florence, Italy

Ref.: Chem. Abstr. 78, 147929(1973)
KBr Wafer



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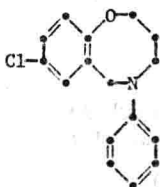
SCANNED ON DIGILAB FT/80A

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8-CHLORO-5-PHENYL-3,4,5,6-TETRAHYDRO-2H-1,5-BENZOXAZOCINE

52006 K



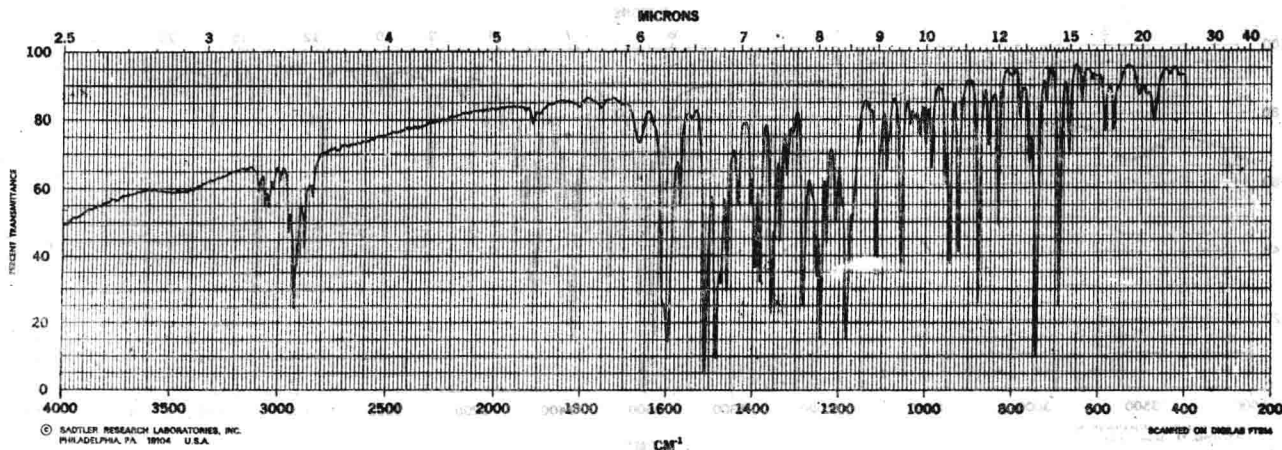
$C_{16}H_{16}ClNO$

Mol. Wt. 273.77

M.P. 106-107°C

Source of Sample: G. Orzalesi,
Soc. L. Manetti-H. Roberts & C.,
Florence, Italy

Ref.: Chem. Abstr. 78, 147929(1973)
KBr Wafer



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SCANNED ON DIGILAB FT/80A

52007 K

1-BENZOYLAZETIDINE

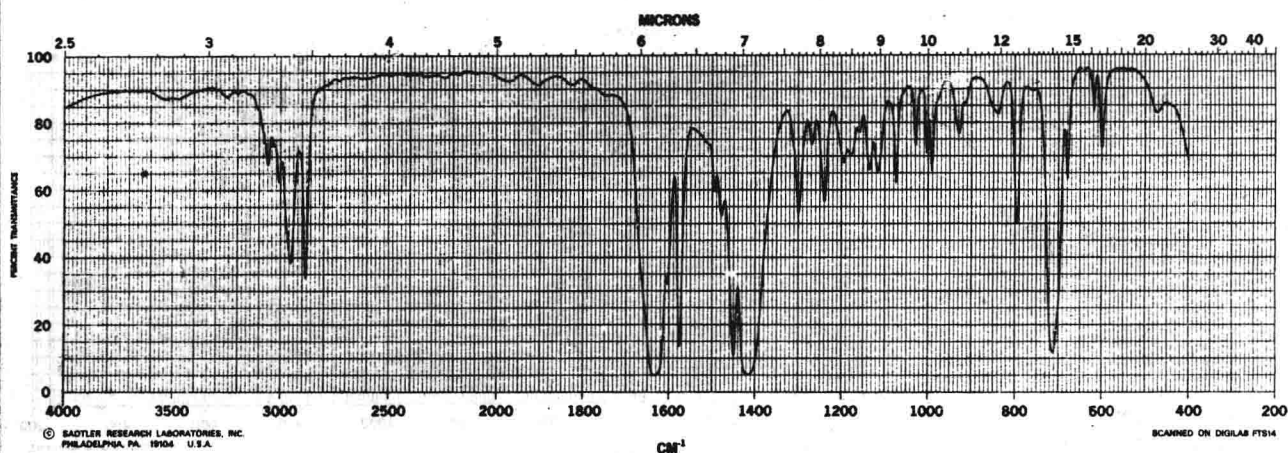
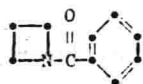
 $C_{10}H_{11}NO$

Mol. Wt. 161.21

M.P. 61-62°C

Source of Sample: J. White,
University of South Africa,
Pretoria, South Africa

Ref.: J. Org. Chem. 39, 1973(1974)
Capillary Cell: Melt (Liquid Phase)



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52008 K

1-(p-NITROBENZOYL)AZETIDINE

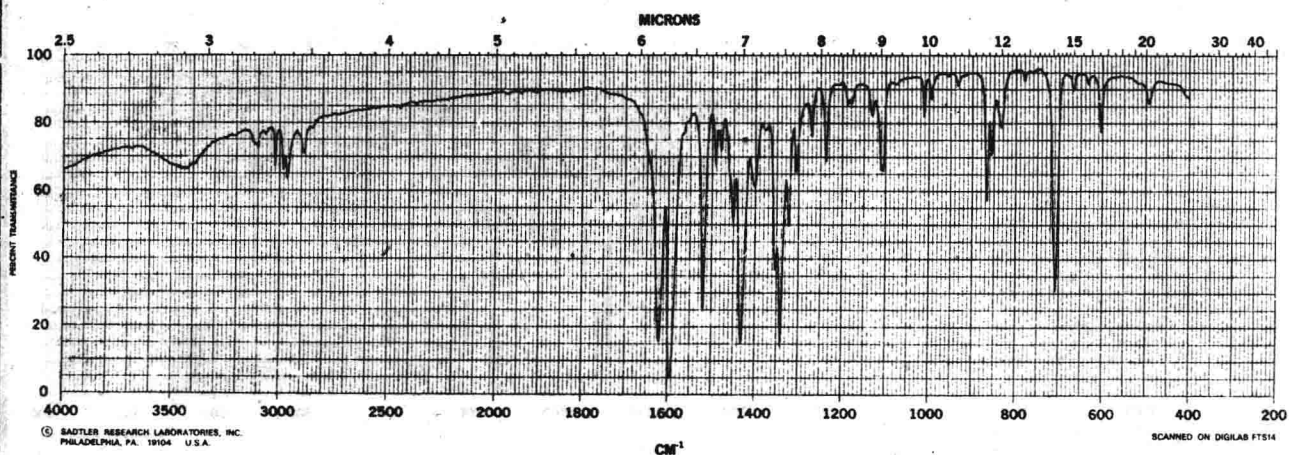
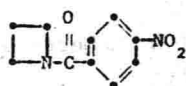
 $C_{10}H_{10}N_2O_3$

Mol. Wt. 206.20

M.P. 122-123°C

Source of Sample: J. White,
University of South Africa,
Pretoria, South Africa

Ref.: J. Org. Chem. 39, 1973(1974)
KBr Wafer



1-(p-CHLOROBENZOYL)AZETIDINE

52009 K

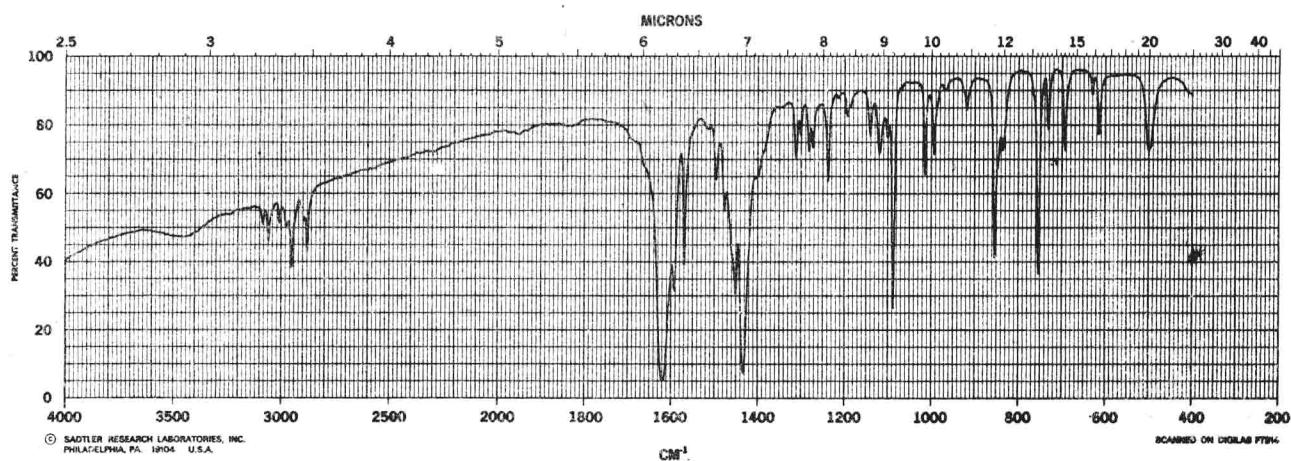
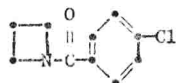
$C_{10}H_{10}ClNO$

Mol. Wt. 195.61

M.P. 107.0°C

Source of Sample: J. White,
University of South Africa,
Pretoria, South Africa

Ref.: J. Org. Chem. 39, 1973(1974)
KBr Wafer



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1-(p-TOLUOYL)AZETIDINE

52010 K

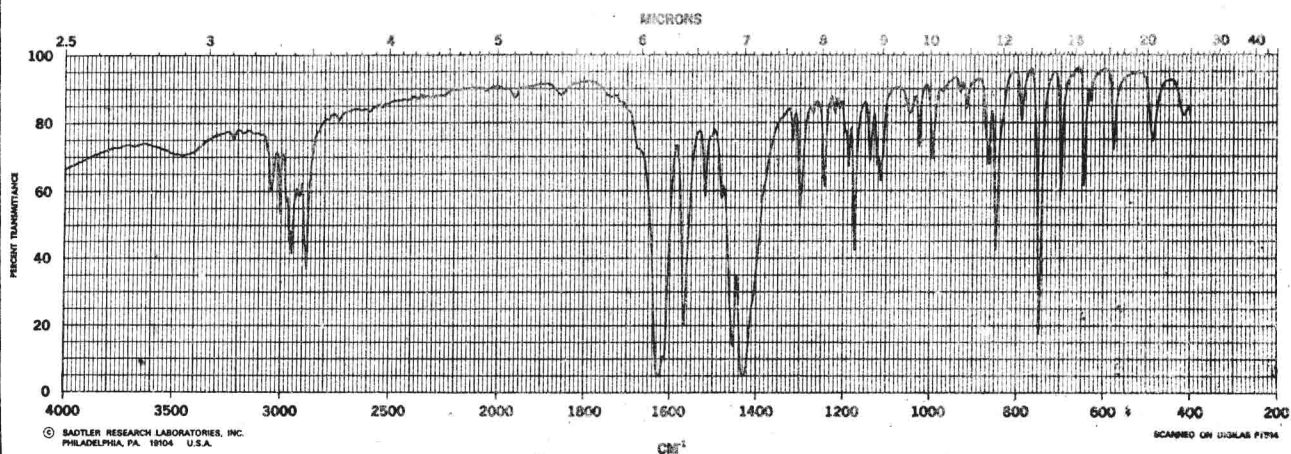
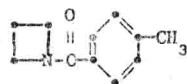
$C_{11}H_{13}NO$

Mol. Wt. 175.23

M.P. 86-86.5°C

Source of Sample: J. White,
University of South Africa,
Pretoria, South Africa

Ref.: J. Org. Chem. 39, 1973(1974)
KBr Wafer



52011 K

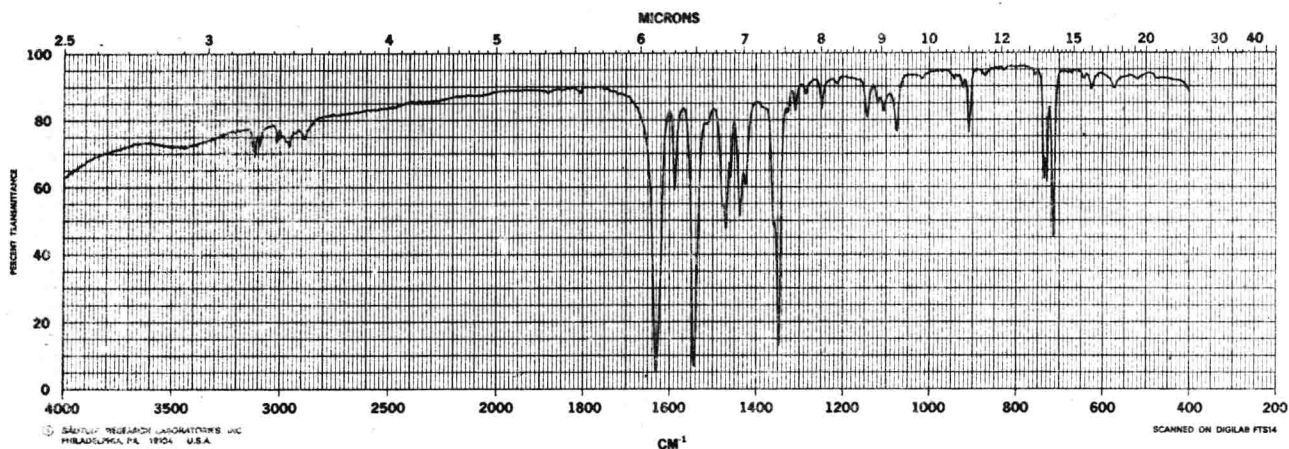
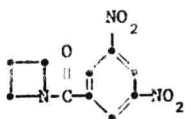
1-(3,5-DINITROBENZOYL)AZETIDINE

 $C_{10}H_9N_3O_5$ Mol. Wt. 251.20

M.P. 155-156°C

Source of Sample: J. White,
University of South Africa,
Pretoria, South Africa

Ref.: J. Org. Chem. 39, 1973(1974)
KBr Wafer

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52012 K

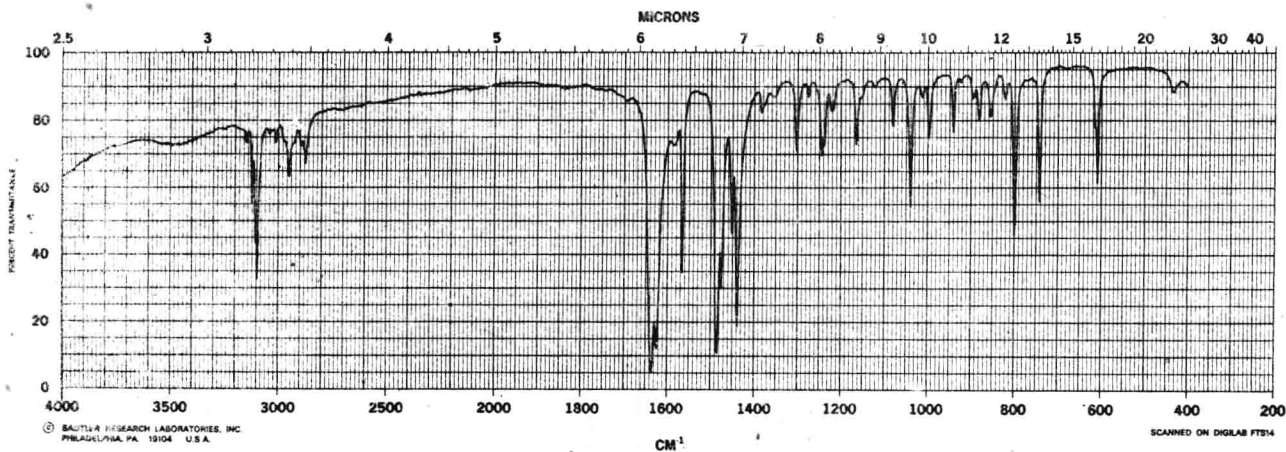
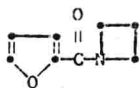
2-[(1-AZETIDINYL) CARBONYL]FURAN

 $C_8H_9NO_2$ Mol. Wt. 151.17

M.P. 120-120.5°C

Source of Sample: J. White,
University of South Africa,
Pretoria, South Africa

Ref.: J. Org. Chem. 39, 1973(1974)
KBr Wafer



5,6-DIHYDRO-6-ETHYL-4-METHOXY-2H-PYRAN-2-ONE

52013 K

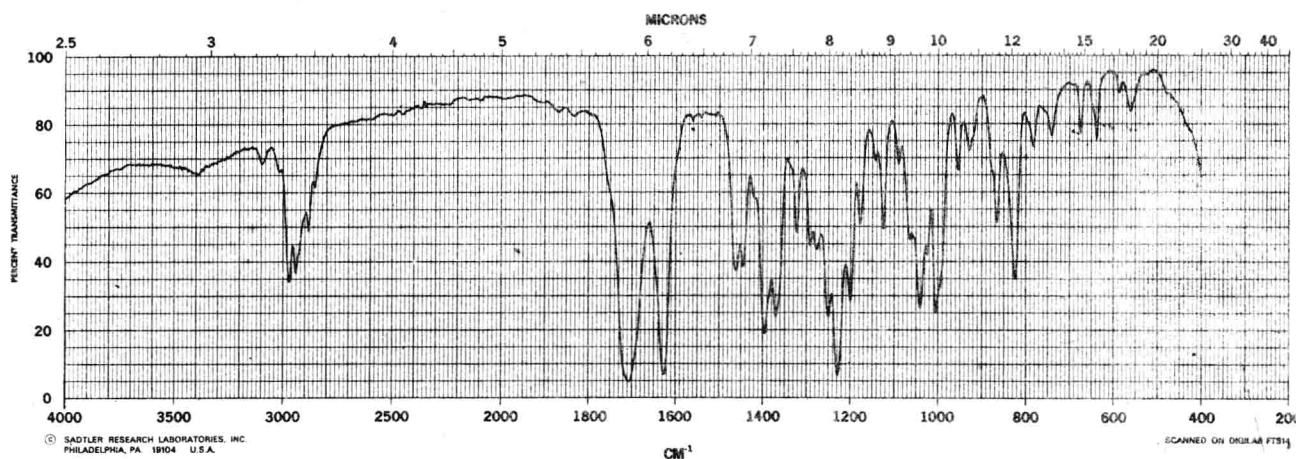
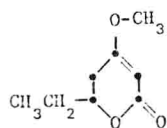
$C_8H_{12}O_3$ Mol. Wt. 156.18

M.P. 55.0-55.5°C

Source of Sample: R. M. Carlson,
University of Minnesota,
Duluth, Minnesota

Ref.: J. Org. Chem. 40, 1610(1975)

Capillary Cell: Melt (Liquid Phase)



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5,6-DIHYDRO-6-PHENYL-2H-PYRAN-2-ONE

52014 K

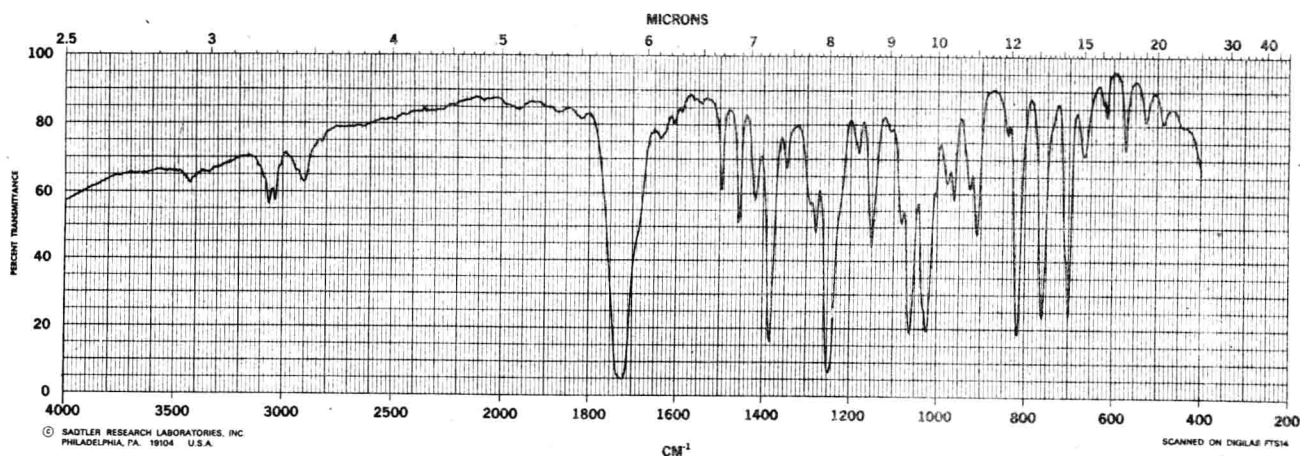
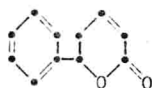
$C_{11}H_{10}O_2$ Mol. Wt. 174.20

M.P. 59-60°C

Source of Sample: R. M. Carlson,
University of Minnesota,
Duluth, Minnesota

Ref.: J. Org. Chem. 40, 1610(1975)

Capillary Cell: Melt (Liquid Phase)



52015 K

1-PHENYL-5-(p-TOLYLDITHIO)-1H-TETRAZOLE

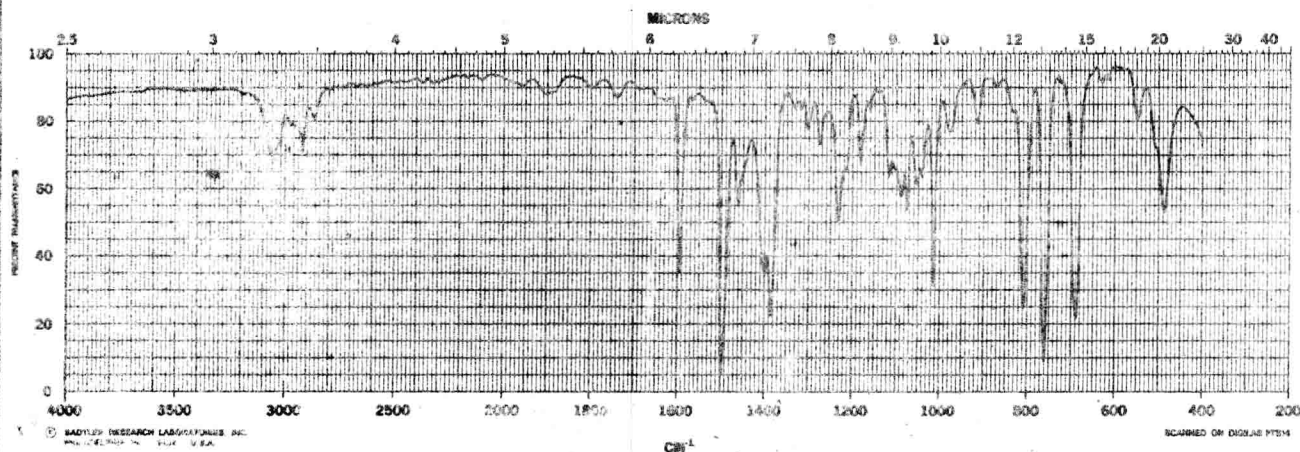
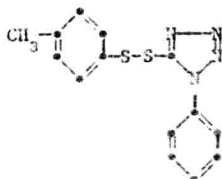
 $C_{14}H_{12}N_4S_2$

Mol. Wt. 300.41

M.P. 58-60°C

Source of Sample: G. Stajer,
Medical University,
Szeged, Hungary

Ref.: Chem. Abstr. 80, 95843(1974)
Capillary Cell: Melt (Liquid Phase)



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52016 K

1-PHENYL-5-[(p-TOLYLSULFONYL) THIO]-1H-TETRAZOLE

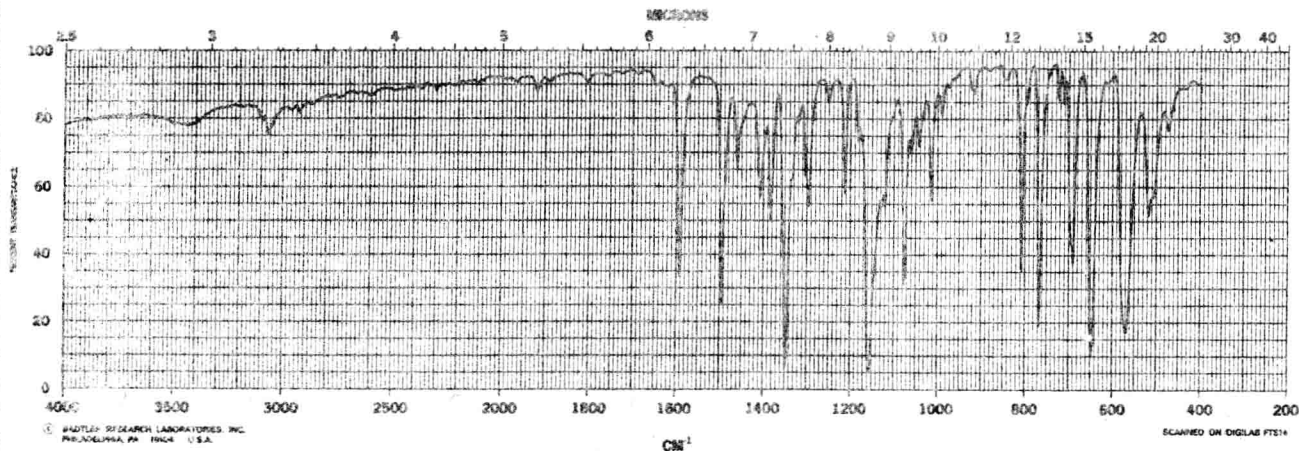
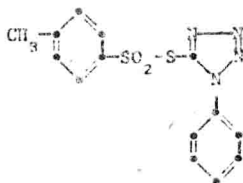
 $C_{14}H_{12}N_4O_2S_2$

Mol. Wt. 332.41

M.P. 140-141°C

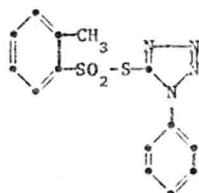
Source of Sample: G. Stajer,
Medical University,
Szeged, Hungary

Ref.: Chem. Abstr. 80, 95843(1974)
KBr Wafer



1-PHENYL-5-[(o-TOLYLSULFONYL)THIO]-1H-TETRAZOLE

52017 K

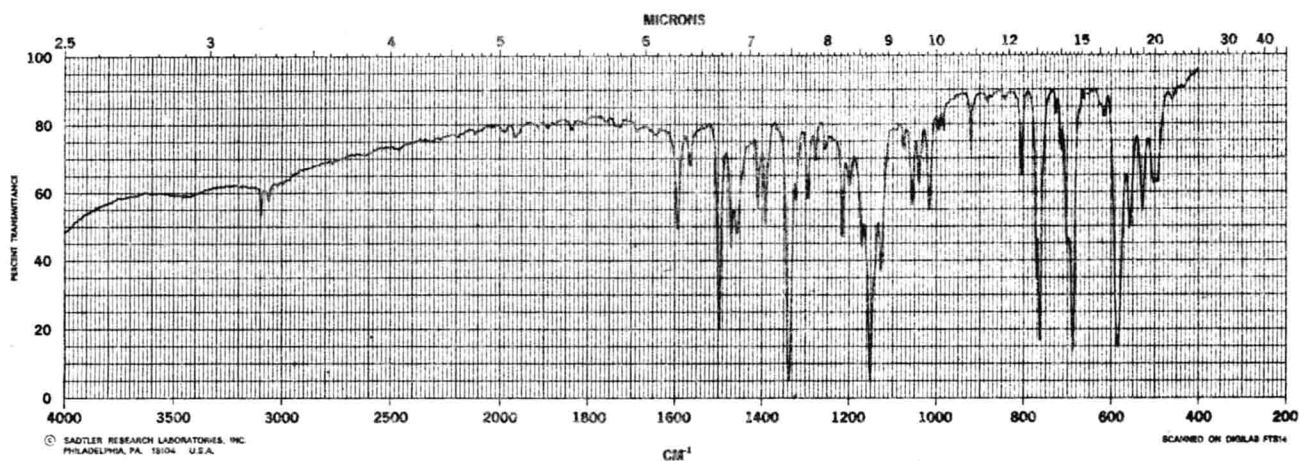


$C_{14}H_{12}N_4O_2S_2$ Mol. Wt. 332.41

M.P. 163-164°C (dec.)

Source of Sample: G. Stajer,
Medical University,
Szeged, Hungary,

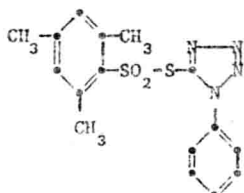
Ref.: Chem. Abstr. 80, 95843(1974)
KBr Wafer



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5-[(MESITYLSULFONYL)THIO]-1-PHENYL-1H-TETRAZOLE

52018 K

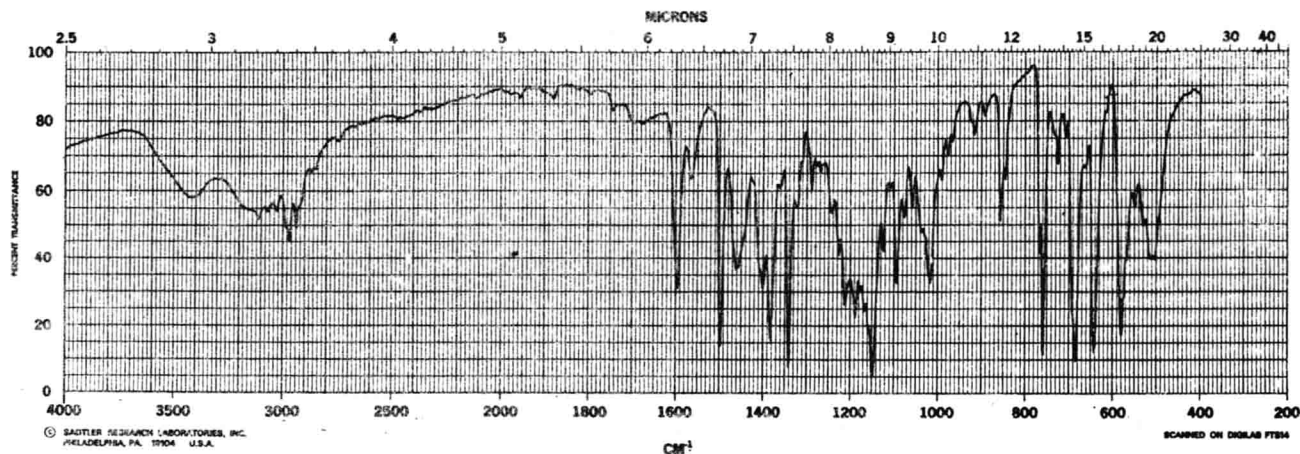


$C_{16}H_{16}N_4O_2S_2$ Mol. Wt. 360.46

M.P. 154-155°C (dec.)

Source of Sample: G. Stajer,
Medical University,
Szeged, Hungary

Ref.: Chem. Abstr. 80, 95843(1974)
KBr Wafer

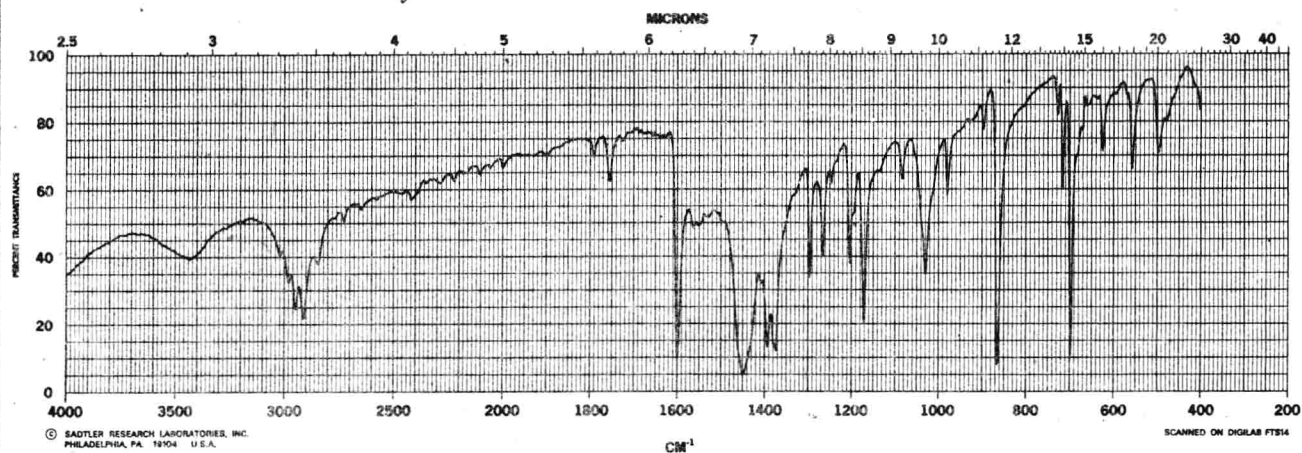
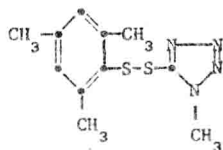


52019 K

5-(MESITYLDITHIO)-1-METHYL-1H-TETRAZOLE

 $C_{11}H_{14}N_4S_2$ Mol. Wt. 266.39

M.P. 122-123°C

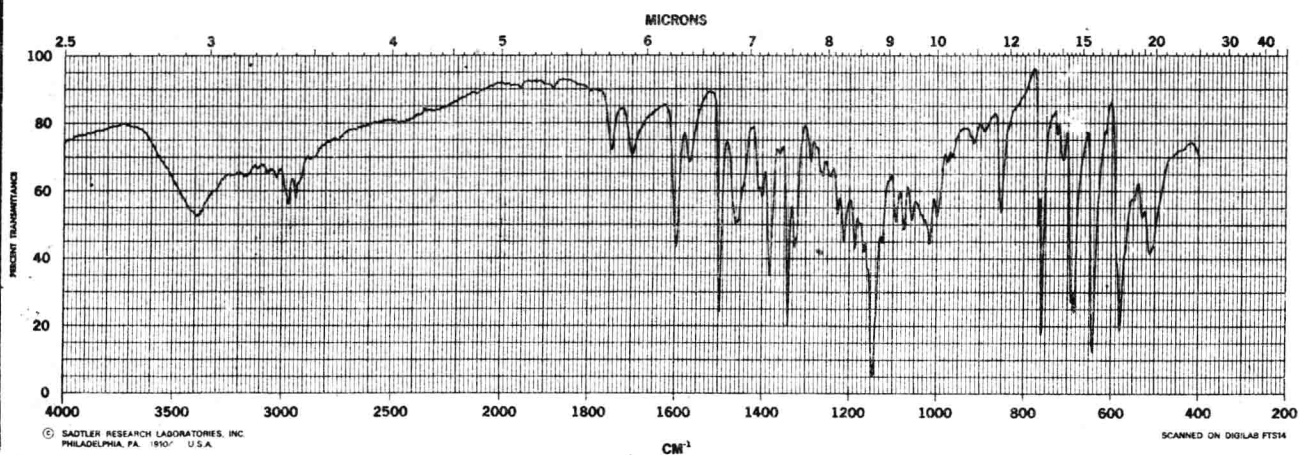
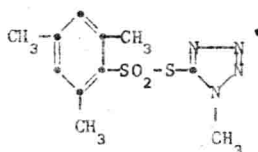
Source of Sample: G. Stajer,
Medical University,
Szeged, HungaryRef.: Chem. Abstr. 80, 95843(1974)
KBr Wafer© 1977 **Sadtler Research Laboratories, Inc.**, Subsidiary of Block Engineering, Inc.

52020 K

5-[(MESITYLSULFONYL) THIO]-1-METHYL-1H-TETRAZOLE

 $C_{11}H_{14}N_4O_2S_2$ Mol. Wt. 298.39

M.P. 149-150°C (dec.)

Source of Sample: G. Stajer,
Medical University,
Szeged, HungaryRef.: Chem. Abstr. 80, 95843(1974)
KBr Wafer

1-METHYL-5-(p-TOLYLDITHIO) -1H-TETRAZOLE

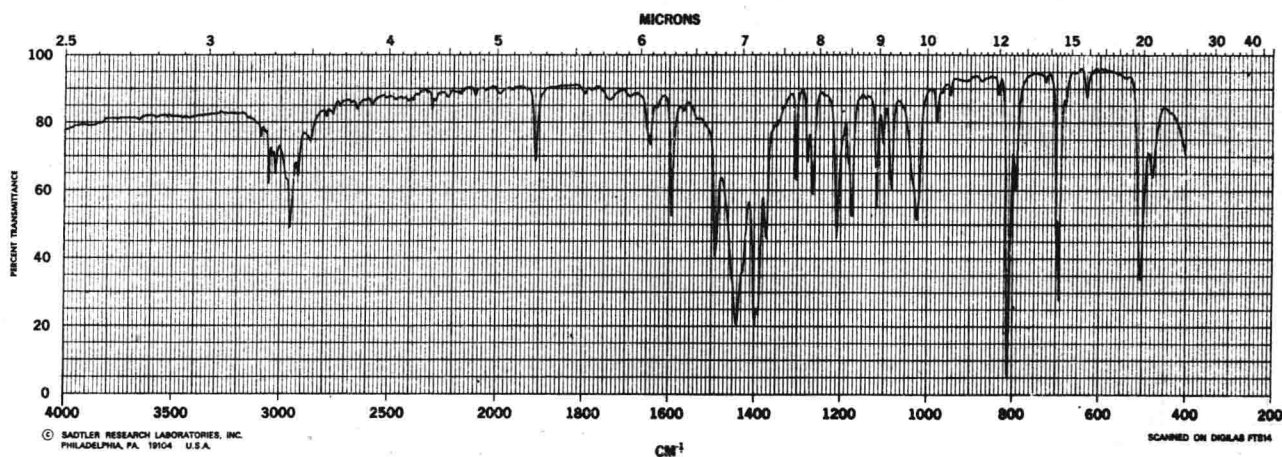
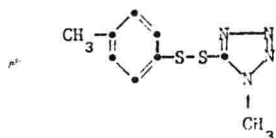
52021 K

$C_9H_{10}N_4S_2$ Mol. Wt. 238.33

M.P. 76-77°C

Source of Sample: G. Stajer,
Medical University,
Szeged, Hungary

Ref.: Chem. Abstr. 80, 95843(1974)
Capillary Cell: Melt (Liquid Phase)



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1-METHYL-5-[(p-TOLYLSULFONYL) THIO] -1H-TETRAZOLE

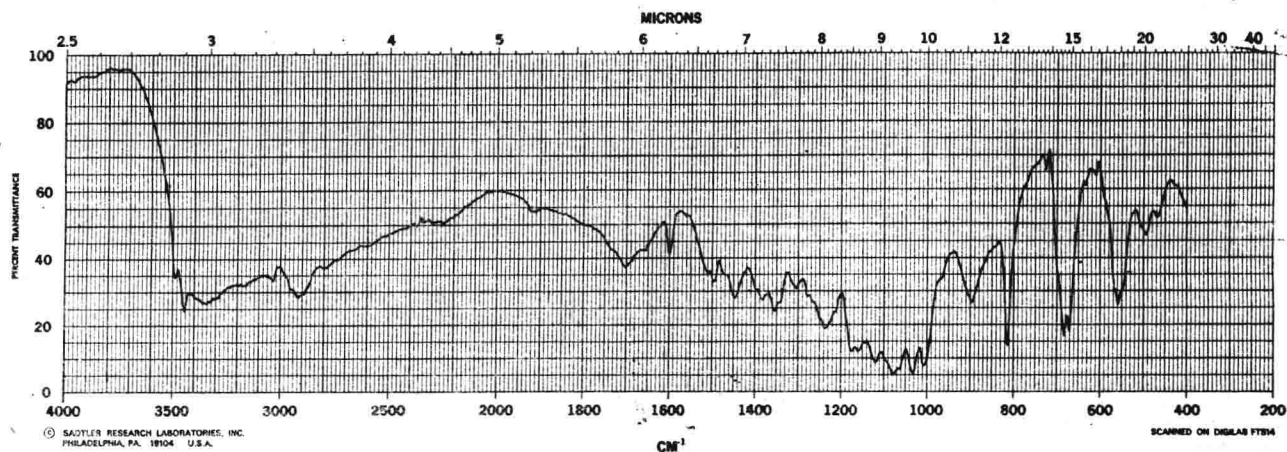
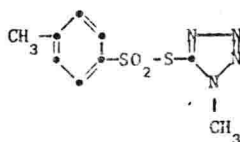
52022 K

$C_9H_{10}N_4O_2S_2$ Mol. Wt. 270.33

M.P. 78-80°C

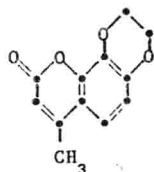
Source of Sample: G. Stajer,
Medical University,
Szeged, Hungary

Ref.: Chem. Abstr. 80, 95843(1974)
Film (Melt)



52023 K

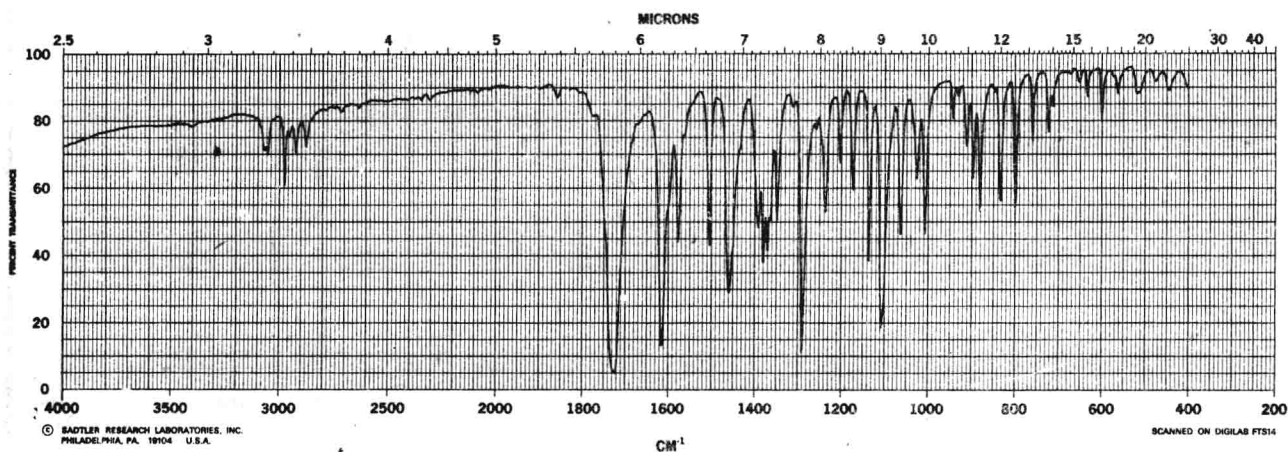
2,3-DIHYDRO-7-METHYL-9H-PYRANO[2,3-f]-1,4-BENZODIOXIN-9-ONE

 $C_{12}H_{10}O_4$ Mol. Wt. 218.21

M.P. 166°C

Source of Sample: R. Verhe,
State University of Ghent,
Ghent, Belgium

KBr Wafer

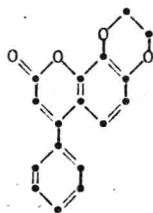


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52024 K

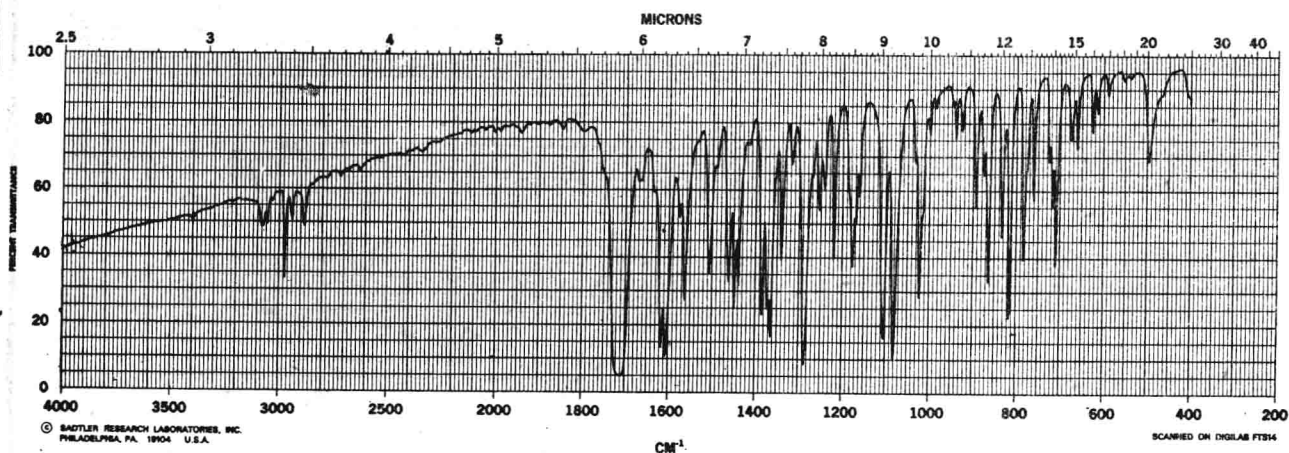
2,3-DIHYDRO-7-PHENYL-9H-PYRANO[2,3-f]-1,4-BENZODIOXIN-9-ONE

 $C_{17}H_{12}O_4$ Mol. Wt. 280.28

M.P. 195°C

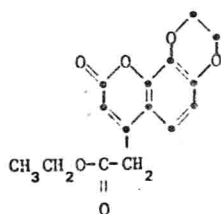
Source of Sample: R. Verhe,
State University of Ghent,
Ghent, Belgium

KBr Wafer



2,3-DIHYDRO-9-OXO-9H-PYRANO[2,3-f]-1,4-BENZODIOXIN-7-
ACETIC ACID, ETHYL ESTER

52025 K

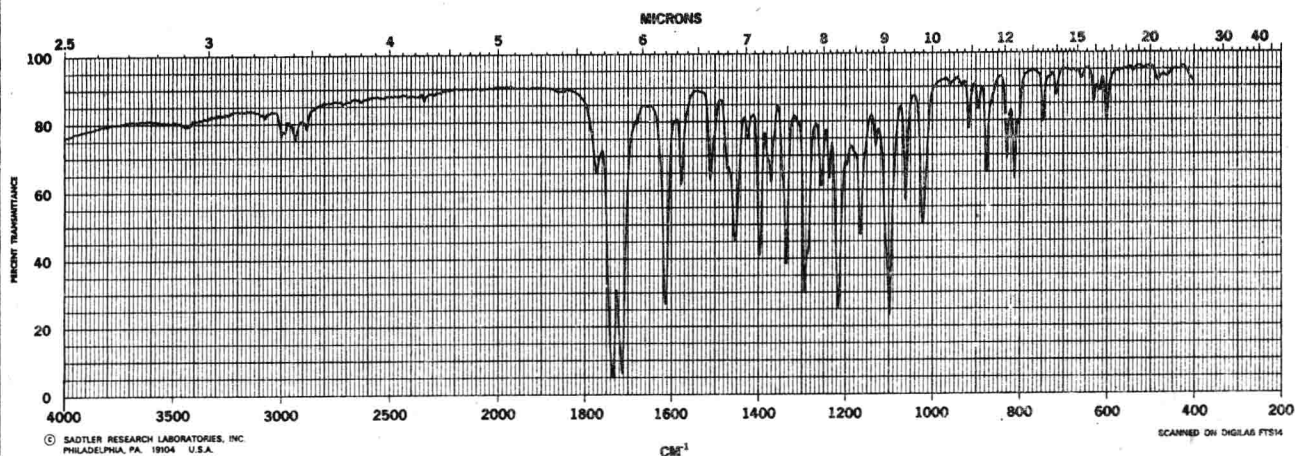


$C_{15}H_{14}O_6$ Mol. Wt. 290.28

M.P. 156°C

Source of Sample: R. Verhe,
State University of Ghent,
Ghent, Belgium

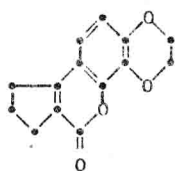
KBr Wafer



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2,3,8,9-TETRAHYDRO-6H-[1,4]BENZODIOXINO[5,6-c]CYCLOPENTA[c]-
PYRAN-6(7H)-ONE

52026 K

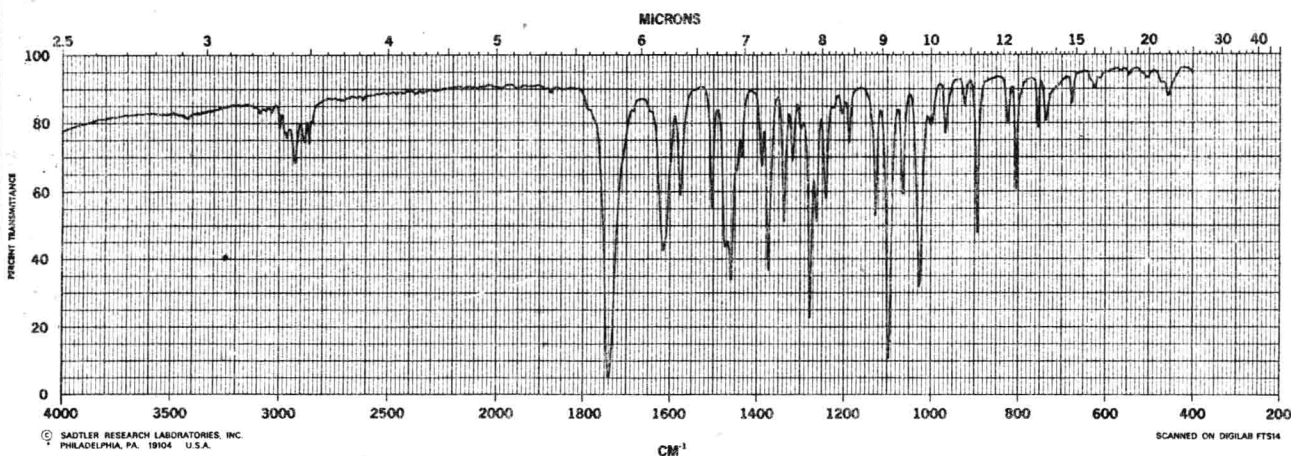


$C_{14}H_{12}O_4$ Mol. Wt. 244.25

M.P. 173°C

Source of Sample: R. Verhe,
State University of Ghent,
Ghent, Belgium

KBr Wafer



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SCANNED ON DIGILAB FTS14

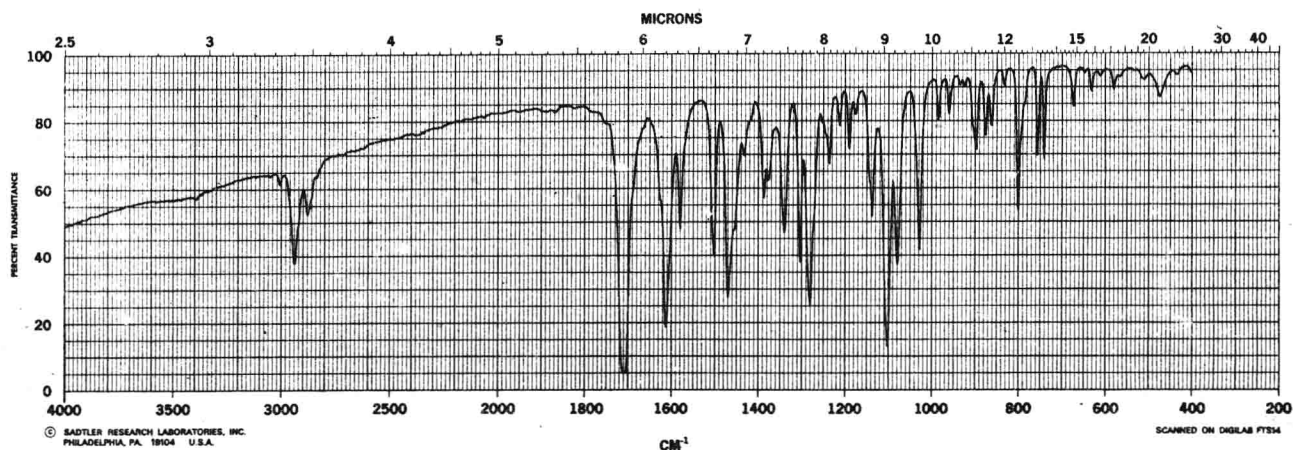
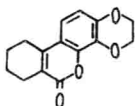
52027 K

2,3,7,8,9,10-HEXAHYDRO-6H-[1,4]BENZODIOXINO[5,6-c]-
[2]BENZOPYRAN-6-ONE $C_{15}H_{14}O_4$ Mol. Wt. 258.28

M.P. 152°C

Source of Sample: R. Verhe,
State University of Ghent,
Ghent, Belgium

KBr Wafer

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52028 K

1,2,4-TRICHLORO-8-(TRIFLUOROMETHYL)-3H-PHENOTHIAZIN-3-ONE

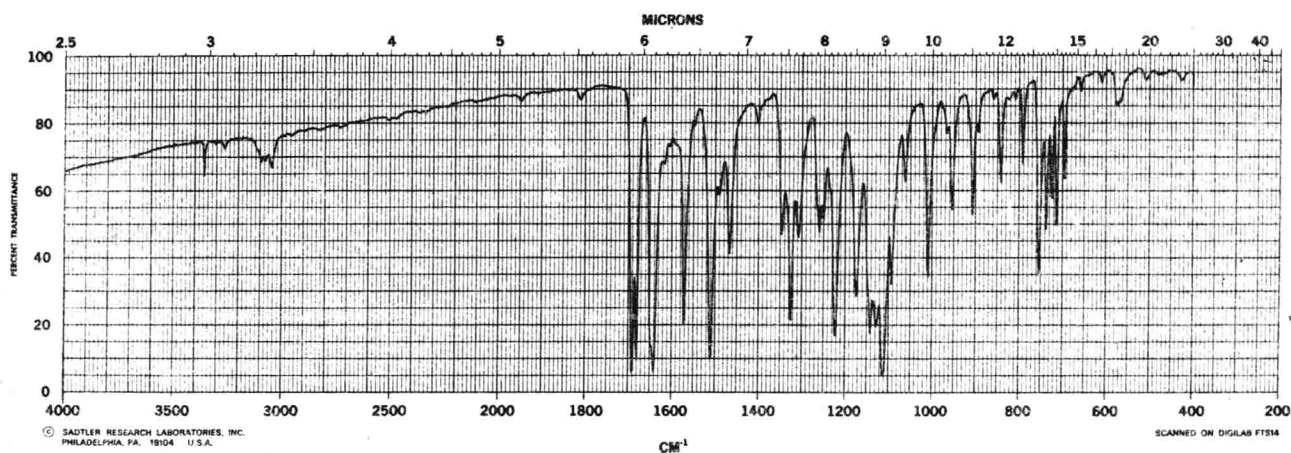
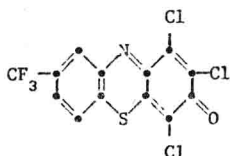
 $C_{13}H_3Cl_3F_3NOS$

Mol. Wt. 384.59

M.P. 215°C

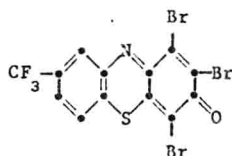
Source of Sample: S. K. Saxena,
University of Rajasthan,
Jaipur, India

KBr Wafer



1,2,4-TRIBROMO-8-(TRIFLUOROMETHYL)-3H-PHENOTHIAZIN-3-ONE

52029 K



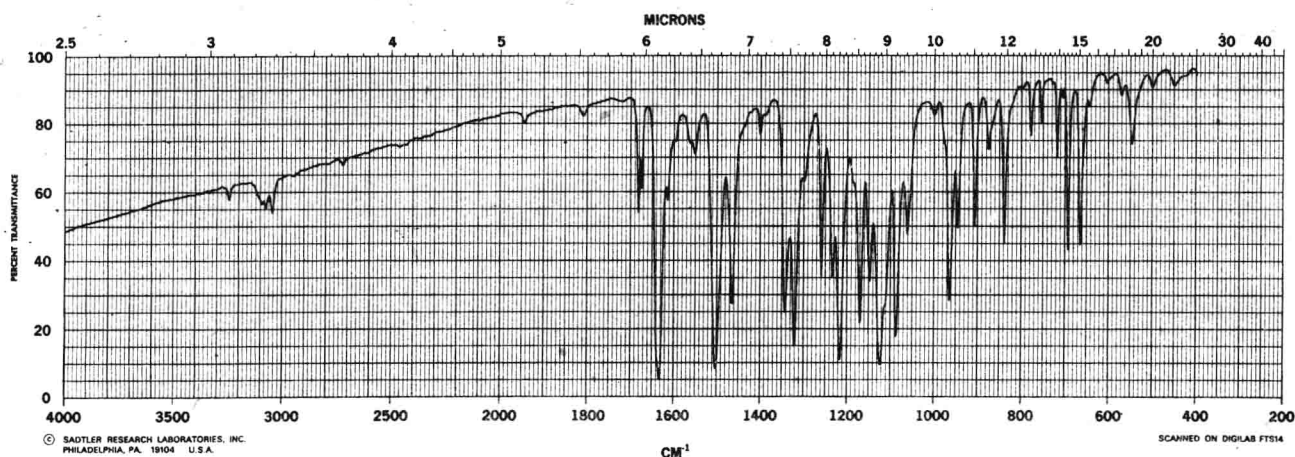
$C_{13}H_3Br_3F_3NOS$

Mol. Wt. 517.96

M.P. 243°C

Source of Sample: S. K. Saxena,
University of Rajasthan,
Jaipur, India

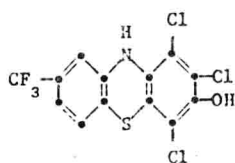
KBr Wafer



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1,2,4-TRICHLORO-8-(TRIFLUOROMETHYL) PHENOTHIAZIN-3-OL

52030 K



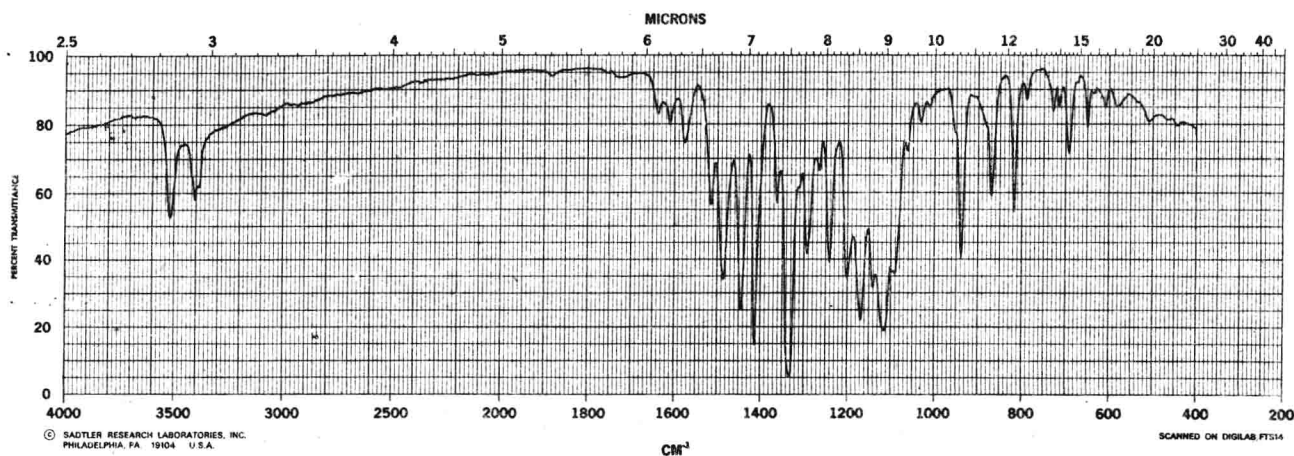
$C_{13}H_5Cl_3F_3NOS$

Mol. Wt. 386.61

M.P. 150°C

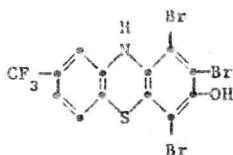
Source of Sample: S. K. Saxena,
University of Rajasthan,
Jaipur, India

KBr Wafer



52031 K

1,2,4-TRIBROMO-8-(TRIFLUOROMETHYL) PHENOTHIAZIN-3-OL

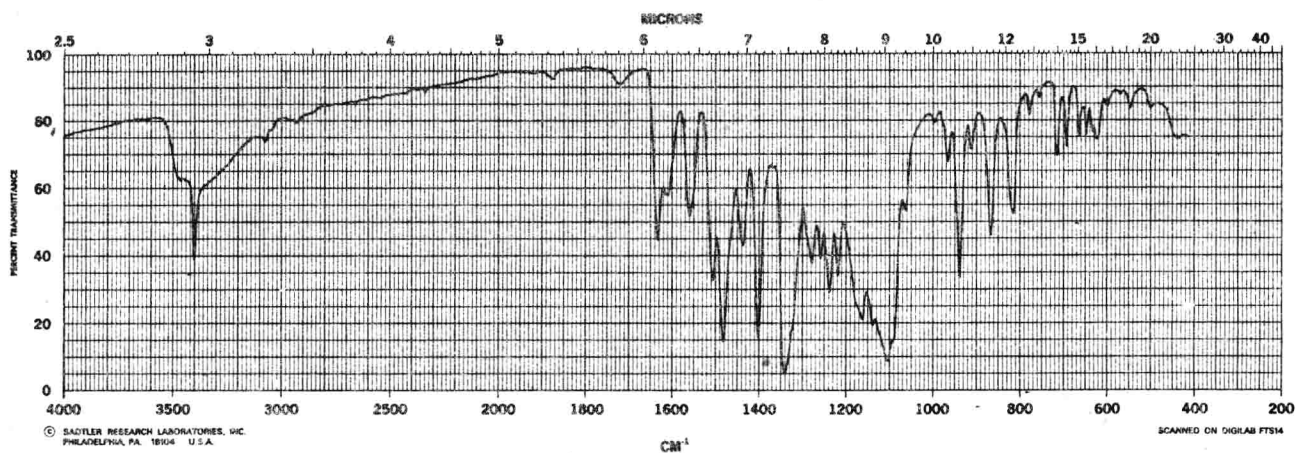
 $C_{13}H_5Br_3F_3NO$

Mol. Wt. 519.98

M.P. 158°C

Source of Sample: S. K. Saxena,
University of Rajasthan,
Jaipur, India

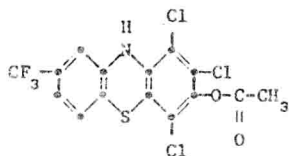
KBr Wafer



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52032 K

1,2,4-TRICHLORO-8-(TRIFLUOROMETHYL) PHENOTHIAZIN-3-OL,
ACETATE (ESTER) $C_{15}H_7Cl_3F_3NO_2S$

Mol. Wt. 428.65

M.P. 208°C

Source of Sample: S. K. Saxena,
University of Rajasthan,
Jaipur, India

KBr Wafer

