

Oxy- and Methoxy-Substituted Acridines, by S. M. Sherlin,
G. I. Braz, A. Ya Yakubovich, E. I. Vorob'eva,
F. E. Rabinovits.

Full translation.

RUSSIAN, as per, Zhur Obshch Khim, Vol VIII, No 10,
USSR, 1938, pp 884-898.

AEC Tr 1382

NLL M. 1134

Scientific - Chemistry, Oxy-, Methoxy, Acridines

Sep 52 CTS/DRI

Nitration with Nitrogen Dioxide, Part 3. Nitration
of Aromatic Hydrocarbons, by P. P. Shorygin, A. V.
Topchiev, *ibid.*

RUSSIAN, per, Zhur Obshch Khim. Vol VIII, No 11,
1938, pp 981-985.

Assoc Tech Serv RJ626

Sci
Apr 59

84,434

On the Ternary System AlF_3-HF-H_2O , by I. Tanandev,
8 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol VIII, No 12,
1938, pp 1120-1124.

Sci Tr Center

RT-1590

Scientific - Chemistry

OTS 62-24447

CTS/DEX

18,762

Andrianov, K. A.

INVESTIGATIONS IN THE REALM OF ALKYL- AND
ARYL- SUBSTITUTED ESTERS OF SILICIC ACID. IV.
THE MECHANISM OF HYDROLYSIS AND ANHYDRIDE
FORMATION OF ALKYLTRIETHOXYMONOSILANES
(Issledovaniya v Oblasti Alkil- i Aril-Zameshchennykh
Estrov Kremnevoi Kisloty. IV. O Mekhanizme Gidroliza
i Angidrizatsii Alkil-Trietoksimonosilanov). [1963]
[24p] (foreign text included) 6 refs
Order from OTS or SLA \$2.60

63-18610

Trans. of Zhurnal Obshchei Khimii (USSR) 1938, v. 8,
no. 13, p. 1255-1263.

DESCRIPTORS: *Silicic acids, *Silanes, Alkyl
radicals, Alkoxy radicals, Hydrolysis, Anhydrides,
Silyl radicals, Esters, Substitution reactions.

(See also 59-20729)

(Chemistry--Organic, TT, v. 10, no. 11)

63-18610

I. Title: Alkyltriethoxy
monosilanes

I. Andrianov, K. A.

II. Title: Mechanism ...

III. Title: Mekhanizme ...

Office of Technical Services

Piets, V. M.
PROBLEM OF ORGANIC COMPOUNDS OF TITANIUM
Jan 64, 1650 words
Order from LSA \$16.85

Trans. of Zhurnal Obshchei Khimii (USSR) 1938, v. 8,
no. 14/15, p. 1296-1301

DESCRIPTORS: *Titanium compounds, *Organic
compounds

(Chemistry--Organic, TT, v. 11, no. 11)

TT-64-12342

I. Piets, V. M.
II. Literature Service
Associates, Bound
Brook, N. J.

Office of Technical Services

Nemtsov, M. S., Nizovkina, T. V., and
Soskina, E. A.

INVESTIGATION OF PYROGENETIC HYDROCARBON
CONDENSATION REACTIONS. PART 7. THERMO-
POLYMERIZATION OF N-OCTENE. 25p. 19 refs.
MTWL: 399.

Order from OTS or ETC \$1.93

61-32017

Trans. of Zhurnal Obshchei Khimii (USSR) 1938, v. 8,
no. 14-15, p. 1314-1324.

DESCRIPTORS: Hydrocarbons, Polymerization,
*Condensation reactions, *Octenes, Reaction Kinetics.

61-32017

- I. Nemtsov, M. S.
- II. Nizovkina, T. V.
- III. Soskina, E. A.
- IV. MTWL-399
- V. Stichting Moelijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Organic Esters from Ethylene Hydro-
carbons, by T. D. Aldoshin, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol VIII,
1938, pp 1385-1389.

SLA R-2333

Sci

Aug 58

72,146

Acetonation of 9,10,12-Trihydrozystearic
Acids, by V. I. Esafov,
RUSSIAN, per, Zh. Obshch. Khim., Vol VIII,
1938, pp 1594-1596.
AEC ORNL-tr-1135

Sci-Chem
May 67

326,246

Obtaining Anisal-p-aminobenzonitrile, by
B. M. Bogoslovskiy, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol VIII,
No 17, 1938, pp 1784-1785.

Sci Tr Center
RT-1508

Scientific - Chemistry

18,913

Alkylamine Derivatives of 6-Nitro and 6-
Chloroquinazolines, by O. Yu. Magidson and
E. S. Golovchinskaya
RUSSIAN, per, Zh. Obshch. Khim. Vol 8, No 17,
1938, pp 1797-1809.
MLL Ref: 5828.4F (12677)

Sci-Chemistry
Jul 68

360,791

Spryskov, A. A.
EEN STUDIE OVER DE SULFONERINGSREACTIE.
I. MECHANISME VAN HET MONOSULFONERINGS-
PROCES (A Study of the Sulfonation Reaction. I. Me-
chanism of the Process of Monosulfonation) tr. by
G. J. M. Fritschy. 12p. 10 refs. MTWL: 125.
(text in Dutch).
Order from OTS or ETC \$1.85 61-17730

Trans. of Zhurnal Obshchei Khimii (USSR) 1938,
v. 8, p. 1857-1863.

DESCRIPTORS: *Sulfonic acids, *Naphthalenes,
Sulfuric acid, Chemical equilibrium.

61-17730

I. Spryskov, A. A.
II. MTWL-125
III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Zalkind, Yu. S. and Belikova, M. V.
DE STRUCTUUR VAN ENIGE DIPHENYL-POLYCHLO-
RIDEN (Structure of several polychloro derivatives of
biphenyl) tr. by J. H. van Santen. 5p. 5 refs. MTWL:
714. (Text in Dutch).
Order from OTS or ETC \$1.40.

61-17317

Trans. of Zhurnal Obshchei Khimii (USSR) 1938, v. 8,
no. 18, p. 1918-1921.

DESCRIPTORS: *Phenylradicals, *Chlorine compounds,
Structures.

61-17317

- I. Zalkind, Yu. S.
- II. Belikova, M. V.
- III. MTWL-714
- IV. Stichting Moeilijk
Teegankelijke Wetenschap
per ke Literatuur

Office of Technical Services

The Importance of the Cation and the Anion in the
Processes of Solvation and of Solution in Liquid
Ammonia, by B. B. Vasil'ev, M. A. Portnov, A. M.
Zuravlev, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol IX, 1939, pp
65-68.

SLA R-2829

Sci

Jul 59

92,442

The Action of Nitrous Acid on α -Substituted
Butyrolactones, by V. V. Peofilaktov, A. S.
Ozishchenko, 20 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol IX,
No 4, 1939, pp 304-313.

Sci Tr Center
RT-3936

39,172

Sci - Chemistry
Sep 56 CTS/dax

The Action of Phenylidiazonium Chloride on
 α -Substituted Butyrolactones. II, by V. V.
Feofilaktov, A. S. Onishchenko, 22 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol IX, No 4,
1939, pp 314-324.

Sci Tr Center
RT-3937

39,134

Sci - Chemistry
Sep 56 CTS/dax

Equilibrium in the System Urea-Ammonium Nitrate-
Water, by V. A. Sokolov, 7 pp.

RUSSIAN, per, Zhur Obshchei Khim, Vol IX, No 8,
1939, pp 735-758

Assoc Tech Serv-RJ 653

Sci
Apr 59

84,903

On Acids and Bases, by M. Usanovich, 29 pp,

RUSSIAN, per, Zhur Obshch Khim, No 9,
1939, pp 182-192.

23,560

AEC Tr No 2111

Scientific - Chemistry

May 55 CTS

Shemyakin, M. M.
ONDERZOEK OP HET GEBIED VAN ALDEHYDEZU-
REN EN ALDOENOLLACTONEN. II. SYNTHESE VAN
 α -OXY- β PHENYL- γ ALDOENOLLACTON (3 OXY-
4 PHENYLFURAAN-2ON) (Aldehydo Acids and Aldoe-
nol Lactones. II. The Synthesis of α -hydroxy- β phenyl-
 γ aldo-enol Lactone (3-hydroxy-4-phenylfuran-2one)).
7p. 5 refs. MTWL: 138. (text in Dutch).
Order from OTS or ETC \$1.55

61-17723

Trans. of Zhurnal Obshchei Khimii (USSR) 1939,
v. 9, p. 484-487.

DESCRIPTORS: Aldehydes, Acids, *Lactones,
Synthesis.

61-17723

I. Shemyakin, M. M.
II. MTWL-138
III. Stichting Moelijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Oxidation of Phosphorus on Solid Surfaces, by T. A.
Kryukova, 19 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol IX, 1939, pp
577-586.

SLA R-3353

Sci

Aug 59

93,541

The System $K_2O-N_2O_2-H_2O$ Solubility Isotherm, by
D. A. Epstein, Z. N. Kosterina, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol IX, No 7,
pp 625-627, 1939.

SIA 57-1576

Jul 58

69, 961

SOKOLOV, V. A.

SLA R-2889. The equilibrium in the system urea-ammonium
nitrate-water. Zhur. Obshchei Khim, 9, p.753-8, 1939.
(7p.)

NLL M. 3444

SLA

The Equilibrium of the System $\text{H}_2\text{O}-\text{NO}_2-\text{HNO}_3-\text{H}_2\text{O}$ at
0°, by D. A. Epshtein, 2 pp,

RUSSIAN, per, Zhur Obshch Khim. Vol IX, ⁸ 1939,
pp 792-793.

Sci M Lib No 54/3382

22,574

Scientific - Chemistry Apr55 CTS

Blyumberg, Ya. B. and Zdanovskii, A. B.
SOLUBILITY IN THE SYSTEM $(\text{NH}_4)_2\text{SO}_4 + 2\text{HCl} =$
 $\text{H}_2\text{SO}_4 + 2\text{NH}_4\text{Cl}$ at 25° . [1963] 9p. 6 refs.
Order from OTS or SLA \$1.10 63-18045

Trans. of Zhurnal Obshchei Khimii (USSR) 1939, v. 9,
no. 9, p. 814-818.

DESCRIPTORS: *Phase studies, *Ammonium compounds,
Sulfates, Chlorides, Hydrochloric acid, *Sulfuric acid,
Solubility.

If the partial pressure of a gas is fixed, a saturation
field in good agreement with the phase-rule can be
obtained for it. Apart from the ordinary solid phase
fields and the field of gaseous HCl, the solubility in
the system $(\text{NH}_4)_2\text{SO}_4 + 2\text{HCl} = \text{H}_2\text{SO}_4 + 2\text{NH}_4\text{Cl}$,
studied with the aid of a Le Chatellier-Yenckel diagram
at $t^\circ = 25^\circ$, also has a nonaqueous field of unsaturated
(Chemistry-Physical, TT, v. 10, no. 6) (over)

63-18045

I. Blyumberg, Ya. B.
II. Zdanovskii, A. B.

Office of Technical Services

Polymerisation Ability of Substituted Styrenes
Depending Upon Their Structure. II, by P. P.
Shorygin, N. V. Shorygina, 11 pp.

RUSSIAN, per, Zhur Obshchei Khim, Vol IX, No 9,
1939, pp 845-854.

Sci Tr Center
RT - 3761

Sci - Chemistry

37,63

Aug 1956

Freidlin, L. Kh. and Lebedeva, A. I.
THE INTERACTION OF SODAMIDE WITH THE
SALTS OF ORGANIC ACIDS. 1964; 13p 31refs
Order from OTS, SLA, or ETC \$1.60 TT-64-14699

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1939, v. 9,
p. 996-1006.

(Chemistry--Organic, TT, v. 11, no. 11)

TT-64-14699

I. Freidlin, L. Kh.
II. Lebedeva, A. I.

Office of Technical Services

Equilibrium in the System $\text{NH}_4\text{F}-\text{BeF}_2-\text{H}_2\text{O}$ at 0° ,
by A. V. Novoselova, M. Ya. Averkova, 5 pp.
RUSSIAN, per, Zhur Obshch Khim, Vol IX, No 12, 1939,
pp 1063-1066. 9226790
AEC-ANL-Tr-116

Sci-Chem
Feb 65

273,222

Investigation of the Chemistry of Titanium
Sulphate. I, II, by B. K. Boguslavskaya,
16 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol IX,
No 12, 1939, pp 1077-1085.

Sci Tr Center RT-2861

Scientific - Min/Metals, Chemistry
Jan 56 CTS/dex

30, 208

Tilicheev, M. D. and Shchitkov, V. K.
CRACKING OF DECALIN UNDER PRESSURE. [1962]
13p. 16 refs.
Order from OTS or SLA \$1.60

62-14610

Trans. of Zhurnal Obshchei Khimii (USSR) 1939, v. 9,
no. 12, p. 1086-1093.

DESCRIPTORS: Hydrocarbons, Naphthalenes, Decom-
position, Reaction kinetics, Coke, Production,
Pressure.

(Unannounced)

62-14610

I. Tilicheev, M. D.
II. Shchitkov, V. K.

Office of Technical Services

Gogolashvili, Sh. I.
CORRELATION OF THE NUMBER OF CARBON
ATOMS, REFRACTIVE INDEX AND SPECIFIC
GRAVITY OF HYDROCARBONS. [1962] 4p.
Order from OTS or SLA \$1.10 62-14613

Trans. of Zhurnal Obshchei Khimii (USSR) 1939, v. 9,
no. 12, p. 1101-1103.

DESCRIPTORS: Carbon, Atoms, Refractive index,
Density, Hydrocarbons, Molecular structure.

(Unannounced)

62-14613

I. Gogolashvili, Sh. I.

Office of Technical Services

Structure and Properties of High Molecular Organic
Compounds, by V. V. Razumovskiy. 8 pp.
RUSSIAN, per, Zhurnal Obshchei Khimii, Vol 9,
1939, pp 460-466.
SLA TT-61-16671

Sci/Chemistry
Jul 66

305,997

62-14152

JOURNAL OF GENERAL CHEMISTRY, 1939, VOL. 9,
NO. 13: [TABLE OF CONTENTS AND SELECTED
ABSTRACTS]. [1961] 5p.
Order from GTS or SLA \$1.10

62-14152

Abstract trans. of Zhurnal Obshchei Khimii (USSR)
1939, v. 9, no. 13, p. 1153-1166 and 1188-1242.
** A complete trans. of p. 1155-1157 is available from
SLA as RT-1600.

DESCRIPTORS: *Chemistry, Literature, Abstracting,
*Ethers, Chlorides, Magnesium compounds, Bromides,
*Grignard reactions, Aluminum compounds, Fluorides,
*Alkali metals, Organic compounds. *Selenium com-

1. Title: Hydrolysis ...

Solubility of Double Fluorides of Aluminum and
Basis Metals, by I. Tananayev, Sh. Talipov, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol IX, No 13,
1939, pp 1155-1157.

Sci Tr Center
RT-1600

Scientific - Chemistry

CTS 62-14152

TVA-3862

CTS/DEX

ALL INFORMATION

CTS 62-26425

18,763

Nikitina, B. A.
 RECHERCHES SUR LA CHIMIE DES GAZ INERTES.
 III. SEPARATION DES GAZ INERTES LES UNS
 DES AUTRES PAR VOIE CHIMIQUE (Issledovaniya
 po Khimii Inertnykh Gazov. III) tr. by Cohen.
 28 Nov 61. [19]p. 3 refs. CEA Trans. no. R 1445
 (text in French).
 Order from OLS or SLA \$1.60

62-19008

Trans. in French of Zhurnal Obshchey Khimii
 (USSR) 1960, 36, no. 13, p. 1176-1181.

DESCRIPTORS: Separation. *Rare gases. Isomeric
 transitions. *Molecular isomerism. Chemical proper-
 ties. Precipitation. Sulfuric anhydrides.

(Unannounced)

62-19008

I. Nikitina, B. A.
 II. CEA-tr-R1445
 III. Title: Separation.
 IV. Commissariat à l'Energie
 Atomique (France)

Office of Technical Services

Lapkin, L.
STUDY OF NAPHTHENIC ACIDS FROM GROZNI
CRUDE. COMMUNICATION 1. [1961] 25p. 28 refs.
Order from LC or SLA in \$2.70. pH \$1.80. 61-10776
Trans. of Zhurnal Obshchey Khimii (USSR) 1960, v. 30,
no. 11, p. 1332-1341.

(Continued)

61-10776

- 1 Naphthene acids. Chemical analysis
- 2 Petroleum. Chemical analysis
1. Lapkin, L.

101745

Office of Technical Services

Derivatives of Acridine. XIII. The Ob-
taining of and Antimalarial Action of 9-Amino-
acridine Substitutes, by ~~Dr~~ O. M. Cherntsov, N. S.
Mandrov, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol IX, No 15,
1939, pp 1435-1440.

Sci Tr Center
RT-1381

Scientific - Chemistry

CTS/DEX

18,782

Definitions of the Concepts of "Acid" and "Base", by
A. I. Shatenstein, 18 pp.

Vol 9
RUSSIAN, per, Zhur Obshch Khim, ~~No 9~~, 1939,
pp 1603-1610.

AEC Tr 2093

Scientific - Chemistry

Mar 55 CTS/DEX

22,525

Zhurn Obshch Khim, vol 9, No 18, 1938,
pp 1368-1378

"An Adsorption Method for the Extraction of
Krypton and Xenon, Part I"

V. G. Fastovskiy

CD: A-2030.1

Trj 766v

SR 1/21/51

TSanwright

Chemistry of Titanium, XIV, Formation of Anatase and
Rutile in Precipitating TiO_2 , by A. V. Pamfilov, N. G.
Ivancheva, 6 pp. Ye.

RUSSIAN, per Zhur Obsheh Khim, Vol ⁹ XIX, No 19,
1939, pp 1739-1741.

Sci Trans Center RT-874

Scientific - Chemistry
CTS /ZDEX

14,036

Specific Gravities in System $\text{AlCl}_3\text{-NaCl}$ Communication I,
by A. I. Kravtsova, 3 pp.

RUSSIAN, no per, Zhur Obsh Khim, Vol IX, No 19, 1939
pp 1755-1758

OTS TT-62-20747

Sci Tr.Center RT-774

11,006

Scientific - Chemistry

SLA R-2005(14.6)

K-H-3861aa.

Viscosity of the System $\text{AlCl}_3\text{-NaCl}$, PT. II,
by A. I. Kryagova, 10pp.

RUSSIAN, per, Zhurnal Obshchei Khimii,
Vol 9, No 19, 1939, pp 1759-1763.

K-H-2867 bb.

322,366

Sci - Chemistry

Mar 67

The Reaction of Ethylenediamine with Carbon
Disulfide. Ethylene Diisothiocyanate, by
A. Ya. Yakubovich, V. A. Klimova, UNCLASSIFIED

RUSSIAN, per, Zhur Obsch Khim, Vol 9, 1939,
pp 1777-1782.

Assoc Tech Ser, RJ-72
Price: \$11.25 (\$1.50)

Scientific - Chemistry

17,847

Viscosity of the System $\text{AlCl}_3\text{-NaCl}$. II, by A. I.
Kryagova, 12 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol IX, No 19,
1939, pp 1759-1763.

Sci Tr Center RT-1041

SLA R-2053

Scientific - Chemistry

16,056

Jul 54 CTS :

Yakubovich, A. Ya. and Klimova, V. A.
ON THE REACTION OF ETHYLENE DIAMINE WITH
CARBON DISULFIDE AND ON ETHYLENE-DI-ISO-
THIOCYANATE [O Vzaimodelstvi Etlendiamina s
Serouglerodom to Etlendilizototsyanate]. [1964] [14p]
5 refs
Order from OTS, SLA, or ETC \$1.60 TT-64-10764

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1939, v. 9
[no. 19] p. 1777-1782.
Other translations are available in Dutch from OTS or
ETC \$1.40 as TT-61-17714, MTWL-144, 5p; in English
from ATS as RJ-72.

(Chemistry--Organic, TT, v. 11, no. 12)

TT-64-10764

I. Yakubovich, A. Ya.
II. Klimova, V. A.
III. ATS-RJ-72

Office of Technical Services

Mel'nikov, N. N., Sklyarenko, S. I., and
Cherkasova, E. M.
THE ELECTROCHEMICAL INTRODUCTION OF THE
THIOCYANATE INTO ORGANIC COMPOUNDS.
[1963] 7p 15refs
Order from OTS, SLA or ETC \$1.10 TT-63-20672

Trans. of Zhurnal Obshchei Khimii (USSR) 1939,
v. 9, p. 1819-1824.

DESCRIPTORS: *Thiocyanates, *Electrochemistry,
*Electrolysis, Organic compounds, Benzenes.

(Chemistry--Organic, TT, v. 11, no. 2)

TT-63-20672

I. Mel'nikov, N. N.
II. Sklyarenko, S. I.
III. Cherkasova, E. M.

Office of Technical Services

Electrical Conductivity in System $AlCl_3-NaCl$, by ~~se~~
A. I. Kravtsova, 13 pp.

RUSSIAN, no per, Zhur Obs^{ch} Khim, Vol IX, No 22,
1939, pp 2061-2066.

CTS TT-63-20749

SLA - R - 2004

Sci Tr Center RT-714

11,007

Scientific - Chemistry

K-H-2867 old

Napthene-Aromatic Hydrocarbons of the Series of
Naphthalene and Tetralin With a Cyclopentyl Ring
in the Side Chain, by E.S. Pokrovskaya, R.Ya.
Sushchik. 7 pp.

RUSSIAN, per, Zhurnal Obshchei Khimii, Vol 9,
No 24, 1939, pp 2291-2301.

SLA TT-61-16857

Sci/Chemistry
Jul 66

305,996

Lozovoi, A. V. and D'yakova, M. K.
HYDROGENATION VELOCITIES OF AROMATIC AND
UNSATURATED HYDROCARBONS, IV. [1961] 7p.
18 refs.

Order from OTS or SLA \$1.10

61-16860

Trans. of Zhurnal Obshchei Khimii (USSR) 1940, v. 10,
p. 1-10.

Another translation is available from ATS \$17.00 as
ATS-54M40R [1960] 12p.

DESCRIPTORS: Hydrogenation, *Hydrocarbons, Mono-
cyclic compounds.

The relative velocities of hydrogenation of benzene,
naphthalene, cyclohexene, 1-methyl-1-cyclohexene,
cyclopentadiene, and 1,3-cyclohexadiene are compared,
as well as data on the kinetic
order of hydrogenation of some of them. Benzene is
hydrogenated in the presence of nickel-alumina 150

(Chemistry--Organic, TT, v. 6, no. 7) (over)

61-16860

- I. Lozovoi, A. V.
- II. D'yakova, M. K.
- III. Title: Rates of Hydro-
genation of Aromatic
and Unsaturated
Hydrocarbons, IV

ATS-54M40R
101725

Office of Technical Services

Chemistry of Titanium XV, Polymorphic Structures
of Titanium Dioxide, by ~~R~~ A. V. Pamfilov, A. G.
Ivancheva, 8 pp. *12.*

RUSSIAN, per. Zhur Obshch Khim, Vol X, No 2, 1940,
pp 154-157.

Sci Trans Center RT-8745
DSIR LL4 M-1228 (LOAN)

Scientific - Chemistry
CTS/DEX

14,037

Higher-Order Transformations of Urea,
by V. A. Sokolov, 9 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol X,
1940, pp 165-171.

SLA R-2187

Sci

Aug 58

72,152

Apparent Molar Volumes of Salts in Ammonia and
Water Solutions, by E. I. Akhumov, 22 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol X, 1940,
pp 233-246.

SLA R-2471

Sci
Apr 59

84,427

Zhur Obzhh Khim, X, 5-6: 497-506; 1940

Isomeration of Oxaldehydes

by A. M. Gachokidze

Trans at National Insts of Health, Bethesda, Md.

L-158

New Method of Obtaining Titanyl Sulfate. III, by B. E. Boguelavskaya, O. M. Ottomanovskaya, 8 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol X, No 8, 1940, pp 673-676

Sci Tr Center NT-3972

Sci - Chemistry

41,551

Chemistry of Titanium Sulfate. IV, by ~~REDACTED~~
B. E. Boguslavskaya, O. M. Ottamanovskaya.

RUSSIAN, per, Zhur Obshch Khim, Vol X, No 8,
1940, pp 677-682.

Sci Tr Center
RT-3033

Sci - Chemistry
Jan 1956/CTS No 77

30,542

Batalin, A. Kh. and Shcherbakov, I. A.
THE HEAT OF REACTION OF SULFUR
MONOCHLORIDE WITH METHYL AND ETHYL
ALCOHOLS. [1961] Sp. 5 refs.
Order from OTS or SLA \$1.10

62-10014

Trans. of Zhurnal Obshchei Khimii (USSR) 1940,
v. 10, no. 8, p. 730-732.

DESCRIPTORS: *Ethanol, *Methanols, *Sulfur
compounds, *Chlorides, *Heat of reaction.

(Chemistry--Organic, TT, v. 7, no. 8)

62-10014

I. Batalin, A. Kh.
II. Shcherbakov, I. A.

201298

Office of Technical Services

Chemistry of Titanium, XVI, Conversion of Anatase
to Rutile Structure, by A. V. Pamfilov, R. G.
Ivancheva, 16 pp.

1e.

RUSSIAN, per. Zhur Obshch Khim, Vol X, No 8, 1940,
pp 736-744.

Sci Trans Center RT-876
DSIR LLW M-1627 (1940)

Scientific - Chemistry
CTS/DEX

14,038

Reactions of Organic α -Oxides With Alcohols
and Carbonyl Compounds in the Presence of
~~the~~ Boron Trifluoride, by A. A. Petrov,
23 pp.

RUSSIAN, per, Zhur Obsheh Khim, Vol I,
No 11, 1940, pp 981-996.

SLA 60-18491

Sci

Vol IV, No 11

Jun 62

199, 243

Synthesis of Carbazi-Condensed Systems from
Alpha and Alpha'-Aminonicotines, IV. Conden-
sation of Alpha-Aminonicotine with Aceto-
Acetic Ester. by M.S. Kondakova, Ya. L. Gold-
farb, 9p.

RUSSIAN, per, Zhurnal Obschei Khimii, Vol 10
pp 1065-1068. 1940

K-H 1058

by S Kondakova

321,661

Sci - Chemistry

Mar 67

Nitropyridenes, by M. G. Bystritskaya and A. W.
Kirsanov, 16 pp.

RUSSIAN, no per, Zhurnal Obshchey Khimii, Vol X,
No 12, USSR, 1940, pp 1101-1107.

CIA/FDD/X-1151

Sci Chemistry Dec 1953 CTS 7568

Zan'ko, A.M. and Manusova, F.A.
ESSAI D'EMPLOI, EN POLAROGRAPHIE, DE SOLUTIONS NON-AQUEUSES (Opyt Primeneniya Nevodnykh Rastvorov v Polarografii) (Experiment of Application of Nonaqueous Solutions in Polarography). 16p.
(foreign text included) 10 refs. CNRS-VIII bis 265.
Order from OTS, ETC or CNRS \$0.80 TT-62-28267

Trans. in French of Zhurnal Obshchei Khimii (USSR) 1940, v.10, no.13, p.1171-1176.

Translation in English available from OTS, SLA or ETC \$1.60 in 61-20339.

DESCRIPTORS: *Polarographic analysis, Solutions, Dielectric properties, *Organic solvents, Alcohols, Oxygen.

(Chemistry--Analytical. I I, v. 11, no. 8)

TT-62-28267

- I. Zan'ko, A.M.
- II. Manusova, F.A.
- III. CNRS-VIII bis 265
- IV. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

V
XXE Action of Diazobenzene on Alkylacetoacetic Esters
as a Method of Obtaining Phenylhydrazones of Ketone
Acids and Amino Acids, by V. V. Feofilaktov,
V. N. Zaytsev, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol X, No 15, 1940, .
XX

Sci Tr Center RT 3128

Scientific - Chemistry

31,052

Feb 56

+

Sokov, P. G.

REACTION OF ALPHA-AMINOPYRIDINE WITH
BENZYL. Pt. 1 of Reaction of Alpha-Aminopyridine
with Diketones. [1962] [8]p. 3 refs.

Order from OTS or SIA \$1.10

62-18218

Trans. of Zhur[nai] Obshch[ei] Khim[ii] (USSR) 1940,
v. 10 [no. 16] p. 1457-1461.DESCRIPTORS: *Pyridines, Chemical reactions,
*Ketones, *Benzils, Carboxylic acids, Azoles, Amines

When alpha-aminopyridine is heated with benzyl at a
temperature of 165-225°, alpha-aminopyridine reacts
in the tautomeric pyridonimido form. The primary
reaction product is 2,3-diphenyl-2,3-dihydroxy-2,3-
dihydropyrimidazole, which in the course of the reaction
undergoes pinacolyi rearrangement, forming 2,2-
diphenyl-3-oxo-2,3-dihydropyrimidazole. The 2,3-
diphenyl-3-oxo-2,3-dihydropyrimidazole compound for
(Chemistry--Organic, TT, v. 9, no. 5)

(over)

62-18218

1. Sokov, P. G.

II. Title: Reaction. . .

Office of Technical Services

Polymerizing Effect of Dimethyl Sulfate on
Ethylenic Compounds. I. Polymerization of
Diphenylethylene, by V. M. Belov, B. M. Lebedev.

RUSSIAN, per, Zhur Obshchei Khim, Vol X, No 17,
1940, pp 1543-1546.

Assoc Tech Serv RJ-1413
" " " 73K23R

Sci - Chem

Apr 59

85,297

Unsaturated Organic Silicon Compounds.
Preparation of Hexaacetylene Siloxane and
Triethoxysilylphenylacetylene, by
Yu. Vol'nov, A. Reutt.
RUSSIAN, per, Zhurnal Obshchei Khimii,
Vol X, No 17, 1940, pp 1600-1604.
SLA TT 64-30151

May 67

327,189

Acridyl-9 (omega-haloid methylketone), by G. I.
Braz, T. V. Gortinskaya, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol X, Nos 19,
20, 1940, 1751-1756.

NIH 1-13-60

Sci Trans Center
RT-1378

Scientific - Chemistry Dec 54 CTE/DEX

14,658

61-20394

JOURNAL OF GENERAL CHEMISTRY, 1940, VOL. 10
NO. 19/20: [TABLE OF CONTENTS] AND SELECTED
ABSTRACTS. [1961] 11p. 10 refs.
Order from OTS or SLA \$1.60

61-20394

Abstract trans. of Zhurnal Obshchei Khimii (USSR)
1940, v. 10, no. 19/20, p. 1784-1812.

DESCRIPTORS: *Chemistry, Abstracting, Periodicals,
USSR, Hydrocarbons, Polymerization, Polycyclic com-
pounds, Anthracenes, Synthesis, Ethyl radicals,
Alcohols, Dehydration, Methyl radicals, Reaction
kinetics.

Contents:

Kinetics and mechanism of thermal conversion of un-
saturated hydrocarbons. VII. Kinetics of polymeri-
zation of unsaturated hydrocarbons under low pres-
(Chemistry, TT, v. 7, no. 1)

(over)

I. Title: Kinetics...
II. Title: 9-ethyl-...

Office of Technical Services

The Rate of Hydrogenation of Aromatic Hydrocarbons,
V. Polynuclear Aromatic Hydrocarbons, by A. V. Lomovoi,

RUSSIAN, per, Zhur Obshchei Khim, Vol X, No 21, 1940,
pp 1843-1954.

ATS RJ-2096

115-390

Sci - Chem

May 60

115,390

Investigation of Mixed Crystals, III, by M. M.
Popov, S. M. Skuratov, Z. N. Nikonova

RUSSIAN, no per, Zhurn Obshch Khim, Vol X, 1940,
pp 2017-2022.

AEC Tr 2348

Scientific - Chemistry
Jan 56 CTS

29,742

Determination of Active Hydrogen by Grignard's
Reagent in an Atmosphere of Carbon Dioxide,
by A. P. Terent'ev, K. D. Shcherbakova

Full translation.

RUSSIAN, per, Zhur Obshch Khim, Vol X, 1940,
pp 2041-2046.

AEC Tr 1608

Scientific - Chemistry Jun 53 CFS/DEK

3087

Sidorova, N. G. and Tsukervansk, I. P.
 CONDENSATION D'ALCOOLS AVEC LES HYDROCAR-
 BURES AROMATIQUES EN PRESENCE DE CHLORURE
 D'ALUMINIUM. CONDENSATIONS DU CYCLOHEPTAN-
 OL AVEC LE BENZENE ET LE TOLUENE (Konden-
 satii Spirtov s Aromaticeskimi Uglevodorodami s
 Prisutstviem Khlorigogo Alyuminiya) (Condensation of
 Alcohols with Aromatic Hydrocarbons in Presence of
 Aluminium Chloride. Condensations of Cycloheptanol
 with Benzene and Toluene). 6p. 5 refs. FR-956.
 Order from OTS, ETC or CNRS \$0.80 62-26512

Trans. in French of Zhurnal Obshchei Khimii (USSR)
 1940 (v. 10) no. 23-24, p. 2073-2076.
 An abstract trans. is available in English from OTS or
 SLA \$1.10 in 61-20378 [1961] 9p.

DESCRIPTORS: *Hydrocarbons, Aluminum compounds,
 Chlorides, Alcohols, *Benzenes, *Toluenes, Heptanes,
 *Condensation reactions.
 (Chemistry--Organic, TT, v. 10, no. 9)

62-26512

- I. Title: Cycloheptanol
- I. Sidorova, N. G.
- II. Tsukervansk, I. P.
- III. F/R-956
- IV. Title: Condensations du...
- V. Title: Condensations of...
- VI. Centre National de la
 Recherche Scientifique,
 Paris (France)

Office of Technical Services

Spontaneous Condensation of Tetra (2-Chloroethyl)
-Ethylenediamine, by S. M. Sherlin, A. Ya. Berlin,
F. E. Rabinovich.

ZHUR OBSHCH KHIM
RUSSIAN, per, Journal of General Chemistry, Vol XI,
1941.

AEC Tr 150

Scientific - Chemistry

14,626

Dynamics of Oxidation of Alkyl Substituted
Organic Compounds With Chromic Acid. I. Oxidation of
Oxidation of 2-methyl-anthraquinone and its
1-nitro- and 1-chloroderivatives to 2-carbonic
Acids of Anthraquinone, by . A. Il'inskiy, V. A. Ka
Kasakova, 17 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XI, No 1,
1941, pp 16-22.

Sci Tr Center 37,585
RT-3759

Sci - Chemistry

Aug 1956

Ultraviolet Absorption Spectra of *N*-phenyl Derivatives
of Pyrazolones. III., by V. E. Bliznyukov.

RUSSIAN, per, Zhur Obshch Khim, Vol XI, No 1, 1941.

of 23-110.

AEC Tr 212

Scientific - Chemistry

14,924

Reduction of Some Amides and Substituted Amides,
by A. V. Koperina, M. M. Klyuchareva, 22 pp.

Full translation.

RUSSIAN, per, Zhur Obshch Khim, Vol XI, No 1,
1941, pp 51-62.

NLL 5828.4F
CIA/FDD/X-994

Scientific - Chemistry Aug 53 CTS/DEX

4579

Synthesis of Glucosido-2-Glucose, by A. M.
Gakhokidze, 23 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XI, No 2, 1941,
pp 117-126. 9074516

NTN 1-813-61

Sci - Med
Mar 61

141,640

The Problem of Measurement of Electric Losses of
~~XXXX~~ Aqueous Solutions of Sulfuric Acid, by K. P.
Mishchenko,

RUSSIAN, per, Zhur Obshch Khim. Vol. XI, No 2, 1943.
pp 149-156.

Sci - Chemistry

Assoc Tech Sv RJ-457

Aug 1956

\$13.40

PO Box 271, East ~~XXXXXX~~ Orange
N. J.

36,968

The Decomposition Mechanism of Sodium Hypochlorite, by
T. S. Glikman, B. Y. Dain, 8 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XI, No 3, 1941,
pp 190-196.

ATS-RJ650

Sci

Aug 59

93, 587

2nd ed. Khim. Vol II, no 3 (1941)
pp 200-202

The action of Nitrotyl Chloride on
alkyl-maleic Acids as a method
of obtaining oximes of α -keto acids
and α -amino acids, by A.S. Orlov, to

from HEC. List batch 208-30

Investigation of the Alkaloids of Trachelanthus
Korolkovi, by G. P. Men'shikov, G. M. Borodina,
5 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XI, No 3,
1941, pp 209-212.

Sci Tr Center
RT-2254

Scientific - Chemistry
CTS 70/Jul 55

25,222

Solubility and Ice Area in the Ternary
Systems $\text{NaF-HF-H}_2\text{O}$ and $\text{Na}_2\text{O-H}_2\text{F}_2\text{-H}_2\text{O}$, by
I. V. Tananayev, 12 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XI,
1941, pp 267-275.

SLA R-2299

Sci

Aug 58

72,210

Zh Obshch Khim Vol 11, page 285-92 (1941)

Electrical Conductivity of Argento-boric Glasses.
by B. I. Markin.

AEC Trans(avail. Brookhaven)

permutase Condensation of Tetra (2-chloroethyl)-
carbazodiimine, by S. M. Sharlin, A. Ya. Berlin,
I. E. Rabinovich,

RUSSIAN, per, Zhur Obshch Khim, Vol XI, 1941,
p 305-308.

AEC tr 150

Scientific - Chemistry

15,826

Petrov, A. A.
RESEARCH ON CONJUGATED SYSTEMS. XIV. CONDENSATION OF DIENE HYDROCARBONS WITH METHYL VINYL KETONE: SYNTHESIS AND PROPERTIES OF 1,2,3,6-TETRAHYDROACETOPHENONE AND ITS DERIVATIVES. [1961] 6p. 48 refs.
Order from OTS or SLA \$1.10 61-18039

Trans. of Zhurnal Obshchei Khimii (USSR) 1941, v. 11, p. 309-313.

DESCRIPTORS: *Hydrocarbons, *Methyl radicals, *Vinyl radicals, *Ketones, Condensation reactions, *Acetophenones, Synthesis, Chemical properties.

Condensation of butadiene, isoprene, 2,3-dimethylbutadiene and 1,3-cyclohexadiene with methyl vinyl ketone was investigated. Isolation and determination of the properties of 1,2,3,6-tetrahydroacetophenone is reported, as well as the following derivatives of it: (Chemistry--Organic, TT, v. 6, no. 8) (over)

61-18039

I. Petrov, A. A.
II. Title: Condensation...
III. Title: Synthesis...

185132

Office of Technical Services

Research on a Series of Heterocyclic Ketones,
by M. M. Shemyakin, E. I. Elkina.
RUSSIAN, per, Zhurnal Obshchei Khimii, Vol 11,
No 4, 1941, pp 349-352.
NRC C-5622

NLL Ref: 8732B 1966

Sci-Chem
Aug 66

308,781

Heats of Combustion of Aliphatic and Polymethylene
Hydrocarbons in Connection With Peculiarities of
Their Structure, by V. P. Gol'mov, 9 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XI, No 5/6,
1941, pp 405-410.

SLA 59-10696

Sci - Chem
Sep 59
Vol 2, No 2

98,000

Chelintsev, V. V. and Pataraya, A. V.
KETOLS AND UNSATURATED KETONES. I. PREP-
ARATION OF HOMERIC KETOLS AND ...
KETOLS BY CONDENSATION WITH THE
ACTION OF MAGNESIUM-SUBSTITUTED AMINES.

[Uncl. Sp. 5-61]

61-18105

Trudy Khimicheskoi Gostekhniz (USSR) 1941, v. 11,
no. 10, p. 1000-1001.

Abstracted in: "Ketols, Synthesis, Com-
pounds, Properties, Amides, Magnesium compounds,
Molecular structure."

Isomeric ketols with different positions of the hydroxyl
group are prepared by dividing the reaction of for-
mation of ketols under the action of magnesium-
substituted amines into two phases and changing the
order of introduction of the ketones to the reaction mix-

(Chemistry--Organic, TT, v. 6, no. 7)

(over)

61-18105

I. Chelintsev, V. V.
II. Pataraya, A. V.
III. Title: Preparation...

18105

Office of Technical Services

Shvartsman, A. G.

GLUCOSIDE FROM LEAVES OF RHODODENDRON
FLAVUM DON, tr. by Zelda D. Knowles. 3 Nov 52,
10p. 15 refs.

Order from OTS or SLA \$1.10

61-28099

Trans. of Zhurnal Obshchei Khimii (USSR) 1941,
v. 11, no. 5/6, p. 467-470.

DESCRIPTORS: *Glucosides, *Quercetin, Sources.

From the leaves of *Rhododendron flavum* was isolated
 $C_{21}H_{20}O_{12}$, which belongs to the flavone group. A
study of glucoside revealed that it is quercetin-3-glucoside. (Author)

(Chemistry--Organic, TT, v. 7, no. 2)

61-28099

I. Title: Rhododendron

I. Shvartsman, A. G.
II. National Institutes of
Health, Bethesda, Md.

Office of Technical Services

Zhdanov, A. K.
HEAT CAPACITIES OF SOME PURE LIQUIDS AND
AZEOTROPIC MIXTURES. [1961] 7p. 5 refs.
Order from OTS or SLA \$1.10

61-16876

Trans. of Zhurnal Obshchei Khimii (USSR), 1941, v. 11,
no. 7, p. 471-482.

DESCRIPTORS: *Mixtures, Liquids, Boiling,
Thermochemistry, Thermodynamics.

The heat capacities under constant pressure (c_p) at approximate temperatures of 0°, 25° and 45° were determined for carbon tetrachloride, n-propyl alcohol, benzene, isobutyl alcohol, toluene and the following azeotropic mixtures: (1) benzene-methyl ethyl ketone; (2) toluene-isomyl alcohol; (3) benzene-n-propyl alcohol; (4) carbon tetrachloride-n-propyl alcohol; (5) carbon tetrachloride-isobutyl alcohol; (6) toluene-n-propyl alcohol; (7) carbon tetrachloride-isobutyl alcohol. (Physics--Thermodynamics, TT, v. 6, no. 9) (over)

61-16876

1. Zhdanov, A. K.

585400

Office of Technical Services

Zhdanov, A. K.
INCREASE OF ENTROPY IN FORMATION OF
AZEOTROPIC MIXTURES. [1961] 5p. 9 refs.
Order from OTS or SLA \$1.10 61-16878

Trans. of Zhurnal Obshchei Khimii (USSR) 1941, v. 11,
no. 7, p. 483-492.

DESCRIPTORS: *Entropy, *Mixtures, Boiling,
Alcohols.

(Chemistry--Physical, TT, v. 6, no. 6)

61-16878

I. Zhdanov, A. K.

176501

Office of Technical Services

JOURNAL OF GENERAL CHEMISTRY, 1941, VOL. 11,
NO. 7: [TABLE OF CONTENTS] AND SELECTED
ABSTRACTS. [1961] 8p. 16 refs.
Order from OTS or SLA \$1.10

61-20373

Abstract trans. of Zhurnal Obshchei Khimii (USSR)
1941, v. 11, no. 7, p. 523-526, 533-536, 567-572.

DESCRIPTORS: Synthesis, Chemistry, Chemical re-
actions, Abstracting, *Hydrocarbons, *Carbon com-
pounds, *Oxides, *Ethylenes, *Methanes, Ketones,
*Butadienes, Hydrogen compounds, *Bromides,
*Magnesium compounds, Halides, *Acetals, *Chro-
mium compounds, Phenyl radicals, *Butenes,
*Molecular isomerism, Isomeric transitions, Methyl
radicals, Alkyl radicals.

Contents:

Synthesis of isoolefins and isoparaffins with a
(Chemistry--Organic, TT, v. 7, no. 1)

(over)

61-20373

- I. Title: Isoparaffins
- I. Title: Reaction...
- II. Title: Isomerization...

Office of Technical Services

Levina, R. Ya. and Shegoleva, N. A.
ISOMERIZATION OF UNSATURATED HYDRO-
CARBONS IN CONTACT WITH METAL OXIDES.
V. ISOMERIZATION OF 4-PHENYL-1-BUTENE
AND 5-PHENYL-1-PENTENE OVER OXIDES OF
ALUMINUM AND CHROMIUM. [1961] Sp. 22 refs.
Order from OTS or SLA \$1.10 61-16880

Continued trans. of Zhurnal Obshchei Khimii (USSR)
1961, v. 31, no. 7, p. 527-532.

DESCRIPTORS: *Hydrocarbons, *Molecular isomer-
ism, *Butenes, *Pentenes, Phenyl radicals, Aluminum
compounds, Chromium compounds, Oxides, Mono-
cyclic compounds.

An experimental study is reported showing that 4-
phenyl-1-butene is isomerized in contact with aluminum
oxide or chromium oxide at 250° to 4-phenyl-3-butene;
5-phenyl-1-pentene is isomerized in contact with chro-
(Chemistry: Organic, TT, v. 6, no. 7) (over)

61-16880

I. Levina, R. Ya.
II. Shegoleva, N. A.
III. Title: Isomerization of
4-Phenyl...

161730

Office of Technical Services