

Contents

Vol. 73, No. 8, 2003

Simultaneous English language translation of the journal is available from MAIK "Nauka/Interperiodica" (Russia).
Distributed worldwide by Kluwer Academic/Plenum Publishers. *Russian Journal of General Chemistry* ISSN 1070-3632.

Synthesis, Structure, and Physicochemical Properties of Lithium Uranovanadate

E. V. Suleimanov, N. G. Chernorukov, N. V. Karyakin, and A. V. Knyazev **p. 1163** [abstract](#)

Synthesis, Structure, and Thermochemical Properties of Alkali Metal Uranoborates

N. G. Chernorukov, A. V. Knyazev, O. V. Kortikova, and I. V. Sergacheva **p. 1167** [abstract](#)

Regularities in the Distribution of Substituted, Branched, and Unsaturated Carboxylic Acids
Between Organic and Aqueous Phases

R. G. Makitra **p. 1174** [abstract](#)

Lead(II) Sulfide. Synthesis in Lead(II) Tetraoxophosphate(V) Gelatin-immobilized Matrix Implantates
and Sorption Activity Toward Silver(I) Ions

O. V. Mikhailov, M. R. Gafarov, and R. A. Yusupov **p. 1183** [abstract](#)

Reactions of Bis(phenylethynyl)ytterbium with Trimethylsilicon, Triphenylgermanium,
and Triphenyltin Chlorides

N. A. Pimanova, S. F. Zhil'tsov, and O. N. Druzhkova **p. 1188** [abstract](#)

Trinuclear Metal Chelates of β -Aminovinylimines

*A. S. Burlov, L. I. Kuznetsova, A. I. Uraev, V. P. Kurbatov,[†]
G. I. Bondarenko, I. S. Vasil'chenko, and A. D. Garnovskii* **p. 1190** [abstract](#)

Complexes of Platinum(II) Chloride with Cyanophosphines

M. V. Kolesova and V. K. Polovnyak **p. 1198** [abstract](#)

Base-Catalyzed Reaction of Cyanoalkylphosphonates with Methanol

V. E. Shishkin, E. V. Mednikov, and B. I. No[†] **p. 1201** [abstract](#)

Reaction of Alkyl(dialkoxylphosphoryl)alkanimidates with Phenyl Isothiocyanate

V. E. Shishkin, E. V. Mednikov, and B. I. No[†] **p. 1204** [abstract](#)

Macrocyclic Systems on the Basis of Phosphorus Acids and 2,7-Dihydroxynaphthalene

E. N. Rasadkina, P. V. Slitikov, Yu. B. Evdokimenkova, and E. E. Nifant'ev **p. 1208** [abstract](#)

Reactions of α -Aminoalkylphosphonates with Iso(thio)cyanatophosphates(phosphonates, phosphinates).

Synthesis of 1,3,4-Diazaphospholidines and 1,3,4-Oxaza(thiaza)phospholines

*N. A. Khailova, A. A. Shaimardanova, G. M. Saakyan,
T. A. Zyblikova, N. M. Azancheev, D. B. Krivolapov,
A. T. Gubaidullin, I. A. Litvinov, R. Z. Musin,
G. A. Chmutova, M. A. Pudovik, and A. N. Pudovik* **p. 1213** [abstract](#)

Solvent Effects on the Solubility of C₆₀ fullerene

R. G. Makitra, R. E. Pristanskii, and R. I. Flyunt **p. 1227** [abstract](#)

Electronic and Steric Structure of the Methanofullerene C₆₁(CO₂Me)[P(O)(OMe)₂].

A Density Functional Study

V. V. Zverev, V. P. Gubskaya, and I. A. Nuretdinov **p. 1233** [abstract](#)

Mono- and Bis-*N*-[3-(triorganylsilyl)propyl]guanidines and Their Derivatives

M. G. Voronkov, L. I. Belousova, Yu. N. Pozhidaev, and N. N. Vlasova **p. 1239** [abstract](#)

Reaction of Diethyl Diselenide with Dihaloalkanes in an Alkaline Reductive Medium

V. A. Grabel'nykh, N. V. Russavskaya, N. A. Korchevin, and E. N. Deryagina **p. 1243** [abstract](#)

(Organylthio)chloroacetylenes: VII. Hydrochlorination of (Alkylthio)chloroacetylenes

S. G. D'yachkova, E. A. Nikitina, and N. K. Gusarova **p. 1246** [abstract](#)

Chemistry and Structure of Diterpene Compounds of the Kaurane Series:

VII. Chiral Complexes of Isosteviol with Aromatic Compounds

V. A. Al'fonsov, O. V. Andreeva, G. A. Bakaleinik,
D. V. Beskrovnyi, A. T. Gubaidullin, V. E. Kataev,
G. I. Kovylyaeva, A. I. Konovalov, M. G. Korochkina,
I. A. Litvinov, I. Yu. Strobykina, and R. Z. Musin **p. 1249** [abstract](#)

Chemistry and Structure of Diterpene Compounds of the Kaurane Series:

VIII. Azomethines Derived from Isosteviol

V. A. Al'fonsov, O. V. Andreeva, G. A. Bakaleinik,
D. V. Beskrovnyi, A. T. Gubaidullin, V. E. Kataev,
G. I. Kovylyaeva, A. I. Konovalov, M. G. Korochkina,
I. A. Litvinov, O. I. Militsina, and I. Yu. Strobykina **p. 1255** [abstract](#)

Reactions of Sodium Enolates Derived from 6-Aryl-3,5,5-trimethyl-2,3,5,6-tetrahydropyrane-2,4-diones with Substituted Benzenesulfonyl Chlorides and Arenediazonium Salts

V. V. Shchepin, Yu. Kh. Sazhneva, M. V. Bagara, and N. Yu. Russkikh **p. 1261** [abstract](#)

Reactions of Methyl Esters of 1-(α -Bromoisobutyryl)cyclohexanecarboxylic or 3-(1-Bromocyclohexyl)-2,2-dimethyl-3-oxopropanoic Acids with Zinc and Arylglyoxal

V. V. Shchepin, N. F. Kirillov, and A. N. Nedugov **p. 1264** [abstract](#)

Thiocyanatoarylation of Diallyl Esters of Phthalic and Isophthalic Acids

B. D. Grishchuk, P. M. Gorbovoi, V. S. Baranovskii, and N. I. Ganushchak **p. 1267** [abstract](#)

Structure and Barrier to Internal Rotation of Trichloroacetyl Chloride Molecules, According to *ab initio* Calculations

V. P. Feshin and G. B. Soifer **p. 1271** [abstract](#)

Electronic Effects in $X(CH_2)_nY$ Homologous Series by NMR and Quantum Chemistry

V. P. Feshin, M. G. Voronkov, P. A. Nikitin, and V. Yu. Vvedenskii **p. 1274** [abstract](#)

Peroxy-containing Tertiary Acetylenic Alcohols Derived from Cycloheptanone, Cyclododecanone, and (–)-*R*-Carvone

E. A. Dikumar, N. G. Kozlov, V. M. Zelenkovskii,
N. A. Zhukovskaya, V. L. Murashko, E. G. Zalesskaya,
K. L. Moiseichuk, and A. P. Yuvchenko **p. 1277** [abstract](#)

Stereochemistry of 1,3-Diheterocyclanes: III. Crystal and Molecular Structure and Conformations of *cis*- and *trans*-5-Phenoxy-1,3,2-dioxathiane 2-Oxides

A. A. Bredikhin, Z. A. Bredikhina, A. T. Gubaidullin, and I. A. Litvinov **p. 1282** [abstract](#)

Tautomerism and Stereodynamics of Indophenols, Amidines, and Their Derivatives and Analogs:

XV. Cyclization of *N*-Benzylidene-*N'*-*R*-sulfonyl-*o*-phenylenediamines to Tetrahydroquinoxalines

S. V. Kurbatov, D. N. Kuznetsov, V. I. Simakov, L. D. Popov,
Yu. A. Zhdanov, and L. P. Olekhovich **p. 1288** [abstract](#)

Reaction of Methyl 5(6)-(4-Aminophenylthio)-2-benzimidazolylcarbamate with Isocyanates

V. S. Pilyugin, A. N. Mikhailyuk, V. M. Kosareva,
R. B. Valitov, G. V. Kiseleva, and S. L. Kuznetsova **p. 1293** [abstract](#)

Synthesis of 1-Alkyl 3,5-Bis(ω -mercaptoacetoalkyl) Isocyanurates and Macrocyclic Disulfides Derived Thereof

S. G. Fattakhov, M. M. Shulaeva, A. T. Gubaidullin,
I. A. Litvinov, A. A. Nafikova, Sh. K. Latypov, and V. S. Reznik **p. 1297** [abstract](#)

Effect of the Composition of the H_2SO_4 -AcOH Binary Solvent on the Dissociation Kinetics of Metal Porphyrins

M. E. Klueva, E. E. Suslova, and T. N. Lomova **p. 1303** [abstract](#)

Complex Formation and Spectral Properties of *meso*-Phenyltetraabenzoporphyrins in Pyridine and *N,N*-Dimethylformamide

D. S. Berezin, O. V. Toldina, and E. V. Kudrik **p. 1309** [abstract](#)

Effect of the Structure of the Macrocyclic Ligand on the Catalytic Properties of Tetraareneporphyrine Metal Complexes:

II. Oxidation of Cysteine, Catalyzed by Cobalt Tetraareneporphyrines

A. B. Korzhenevskii, T. G. Shikova, O. I. Koifman, and V. V. Bykova **p. 1315** [abstract](#)

Letters to the Editor

Isomerization of 1-Hexene into 2-Hexene, Catalyzed by the Product of Magnesium Oxidation with Molybdenum Pentachloride in Tetrahydrofuran

S. V. Maslennikov, I. A. Aivaz'yan, Yu. A. Kurskii, and I. V. Spirina **p. 1319** [abstract](#)

Host-Guest Complexes. Selective Reaction of Crown Ether Hosts with Triphenylmethane Derivatives

E. V. Ganin and Ven-Dzvu Vang **p. 1320** [abstract](#)

Reactions of Pentaphenylantimony and Pentaphehylphosphorus with Arylmercury Chlorides

V. V. Sharutin, V. S. Senchurin, B. I. Petrov, and O. K. Sharutina **p. 1322** [abstract](#)

Thermal Addition of Diphenyl Disulfide to Ethynyltrimethylsilane in the Presence of Dimethyl Diselenide

V. V. Potapov, S. V. Amosova, O. V. Belozeroval, O. G. Yarosh, D. V. Gendin, and M. G. Voronkov **p. 1323** [abstract](#)

Recyclization of 2,3-Disubstituted 5-Arylamino-2,5-dihydro-1,2,4-thiadiazoles and Related Salts into Benzothiazole Derivatives

M. A. Renskii and V. S. Zyabrev **p. 1324** [abstract](#)

Reaction of 6-Aminouracils with Hydrazide Nucleophiles

A. A. Yavolovskii, E. I. Ivanov, and R. Yu. Ivanova **p. 1326** [abstract](#)

Synthesis of Indolylnitroethylphosphonates and Indolylnitronitropropanoates

Z. M. Sarkisyan, S. V. Makarenko, V. M. Berestovitskaya, L. I. Deiko, and G. A. Berkova **p. 1328** [abstract](#)
