

Contents

Vol. 37, No. 3, 2001

Simultaneous English language translation of the journal is available from MAIK "Nauka/Interperiodica" (Russia).
Distributed worldwide by Kluwer Academic/Plenum Publishers. *Russian Journal of Organic Chemistry* ISSN 1070-4280

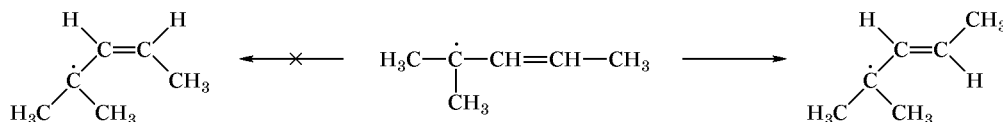
Review

N-Halo Reagents. Synthesis and Reactions of *N*-Halocarboxamides

I. V. Koval' p. 297 [abstract](#)

Steric Factors in Liquid-Phase Oxidation of Olefins with *iso* Structure

A. V. Voronenkov, N. A. Simonov, O. P. Yablonskii, S. G. Koshelev, and V. V. Voronenkov p. 318 [abstract](#)

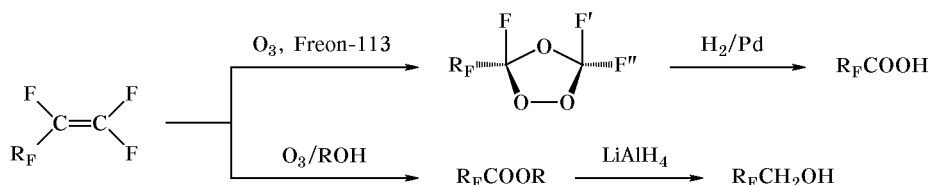


Ozonolysis of Alkenes and Studies of Reactions of Polyfunctional Compounds:

LXV. Ozonolysis of Perfluoro-1-octene in Freon-113

V. N. Odinokov, V. R. Akhmetova, M. V. Bazunova, R. G. Savchenko,

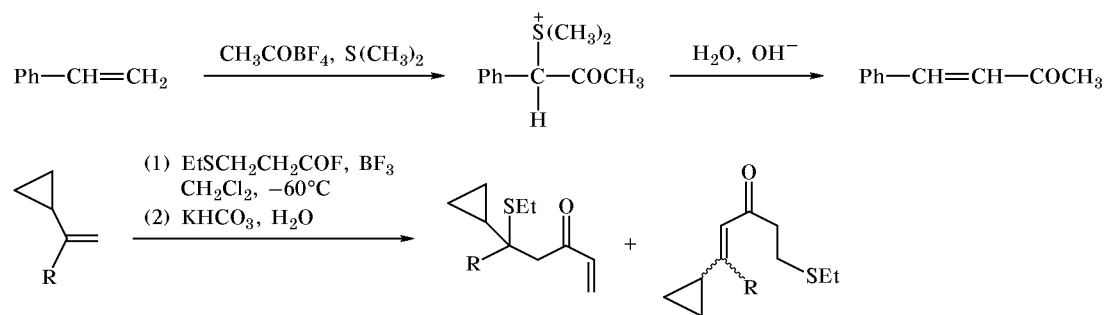
E. A. Paramonov, and L. M. Khalilov p. 321 [abstract](#)



$R_F = C_6H_{13}$; $R = Me, Et$

Acylation of Cyclopropyl-Substituted Alkenes with Complexes Formed
by ω -(Ethylthio)alkanoyl Fluorides and Boron Trifluoride

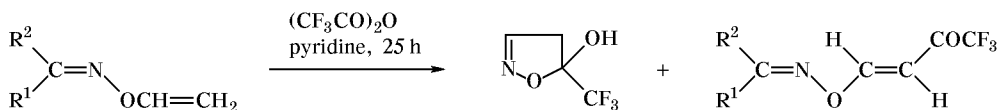
M. V. Lebedev, V. G. Nenaidenko, K. I. Smolko, and E. S. Balenkova p. 326 [abstract](#)



Trifluoroacetylation of Ketone *O*-Vinyloximes

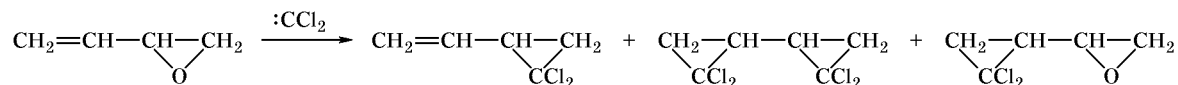
A. M. Vasil'tsov, E. Yu. Shmidt, A. I. Mikhaleva, A. B. Zaitsev, O. A. Tarasova,

A. V. Afonin, D.-S. D. Toryashinova, L. N. Il'icheva, and B. A. Trofimov p. 334 [abstract](#)



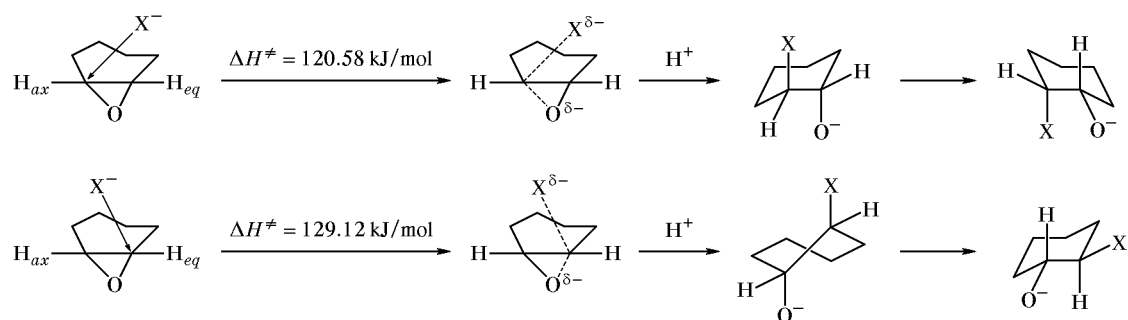
Reactions of Dichlorocarbene and Arenesulfonyl Chlorides with 3,4-Epoxy-1-butene and Vinylethylene Carbonate

T. G. Mannafov, E. A. Berdnikov, and Ya. D. Samuilov **p. 339** [abstract](#)



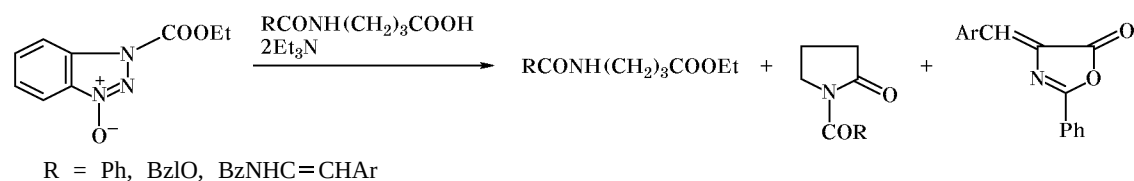
Theoretical Study of Alkaline Methanolysis of Alicyclic Epoxy Derivatives

S. I. Okovityi, E. L. Platitsyna, and L. I. Kas'yan **p. 345** [abstract](#)



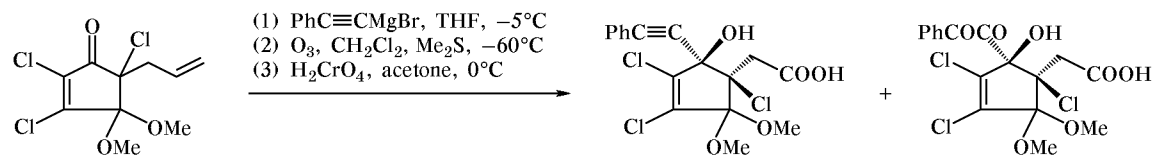
Reaction of *N*-Acyl- γ -aminobutyric Acids with 3-Ethoxycarbonylbenzotriazole 1-Oxide

V. O. Topuzyan, G. Yu. Khachvanyan, A. S. Kotoliky, and G. A. Panosyan **p. 351** [abstract](#)



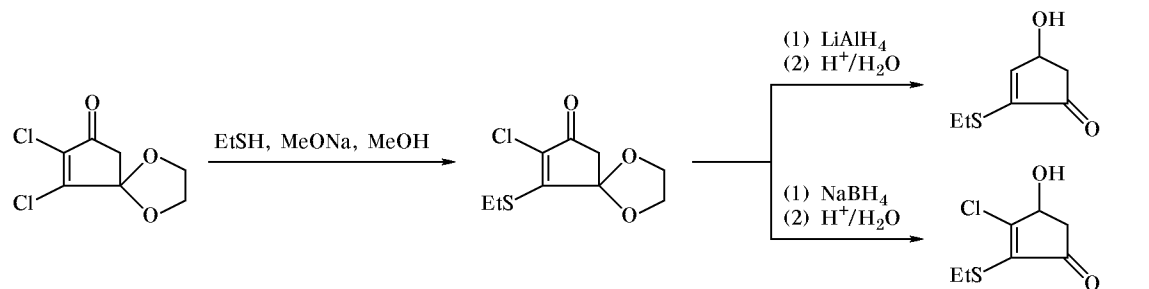
Prostanoids: LXXVII. Synthetic Approaches to Sterically Overcrowded Cyclopentenones

F. A. Akbutina, S. A. Torosyan, and M. S. Miftakhov **p. 356** [abstract](#)



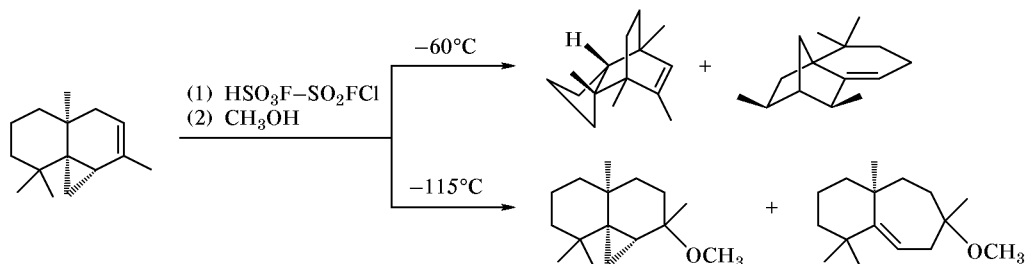
Prostanoids. LXXVIII. New sp^2 -Functionalized 4-Hydroxy-2-cyclopentenones from 6,7-Dichloro-1,4-dioxaspiro[4.4]non-6-en-8-one

R. R. Akhmetvaleev, G. A. Shavaleeva, I. F. Nuriev, and M. S. Miftakhov **p. 359** [abstract](#)



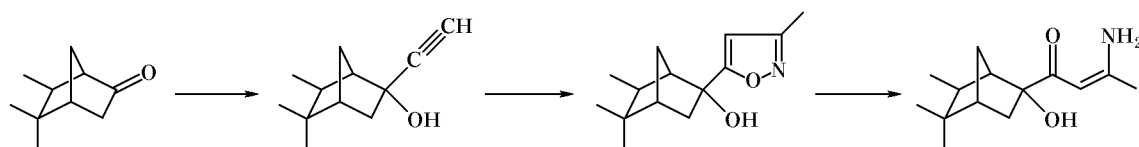
Acid-Catalyzed Rearrangements of (-)-Thujopsene

O. I. Yarovaya, M. P. Polovinka, D. V. Korchagina, Yu. V. Gatilov, I. Yu. Bagryanskaya, V. V. Shcherbukhin, A. A. Shal'ko, G. A. Zenkovets, and V. A. Barkhash **p. 362** [abstract](#)



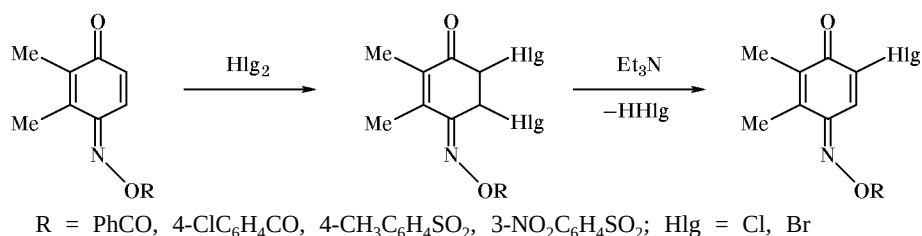
5,5,6-Trimethylbicyclo[2.2.1]heptan-2-one in the Synthesis of Carbocyclic Analogs of Prostaglandin Endoperoxides

F. S. Pashkovskii, F. A. Lakhvich, S. S. Koval'skaya, and N. G. Kozlov **p. 375** [abstract](#)



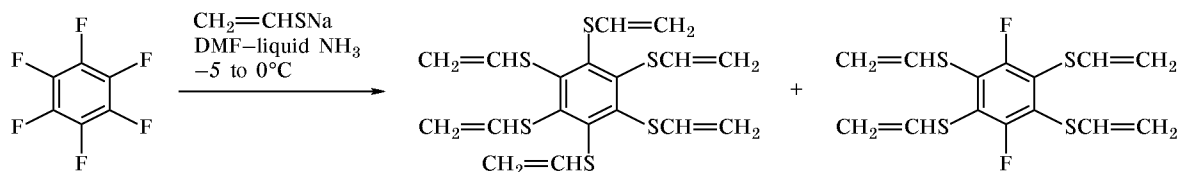
Halogenation of Some Alkyl-Substituted 4-Aroyloxyimino- and 4-Arylsulfonyloxyimino-2,5-cyclohexadienones

A. P. Avdeenko, S. A. Zhukova, and S. A. Konovalova **p. 382** [abstract](#)



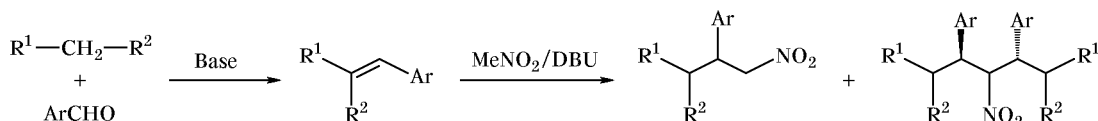
Synthesis of Hexakis(vinylthio)benzene

V. I. Gostevskaya, G. M. Gavrilova, A. V. Afonin, and S. V. Amosova **p. 388** [abstract](#)



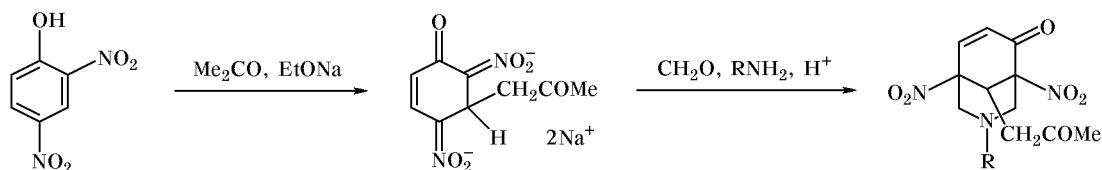
General Synthesis of γ -Functionalized β -Aryl-Substituted Primary Nitro Compounds

A. A. Tishkov, V. O. Smirnov, M. V. Nefed'eva, I. M. Lyapkalo, S. E. Semenov, S. L. Ioffe, Yu. A. Strelenko, and V. A. Tartakovskii **p. 390** [abstract](#)



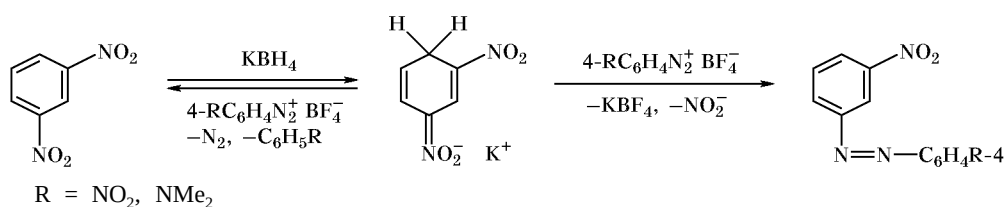
3-Azabicyclo[3.3.1]nonane Derivatives: III. Synthesis of 3-Substituted 9-Acetyl-1,5-dinitro-3-azabicyclo[3.3.1]non-6-en-8-ones by Mannich Condensation of the Janovsky σ -Adduct of 2,4-Dinitrophenol with Acetonide Ion

O. V. Leonova, I. V. Shakhkel'dyan, Yu. D. Grudtsyn, Yu. M. Atroshchenko, E. N. Alifanova, S. S. Gitis, P. V. Chudakov, E. G. Nikiforova, N. N. Alekhina, and A. Ya. Kaminskii **p. 395** [abstract](#)



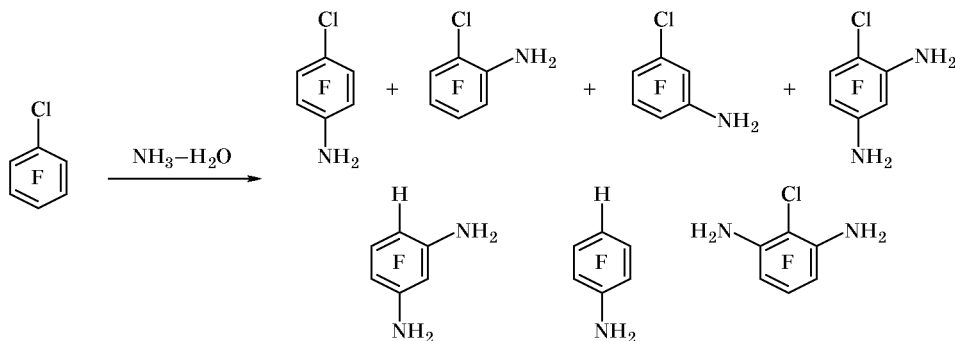
Reactions of Aromatic Nitro Compounds: LXXIV. Azo Coupling of Anionic Nitroarene σ -Complexes with Aromatic Diazo Compounds. Effect of Reaction Conditions on the Yield of Nitroazobenzenes

N. I. Blokhina, I. V. Shakhkel'dyan, Yu. M. Atroshchenko, E. N. Alifanova, S. S. Gitis, A. Ya. Kaminskii, and D. N. Moiseev **p. 401** [abstract](#)



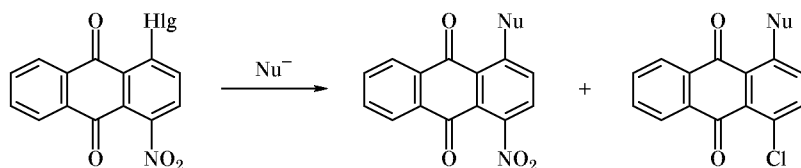
Catalytic and Noncatalytic Ammonolysis of Chloropentafluorobenzene

G. A. Selivanova, L. M. Pokrovskii, and V. D. Shteingarts **p. 404** [abstract](#)



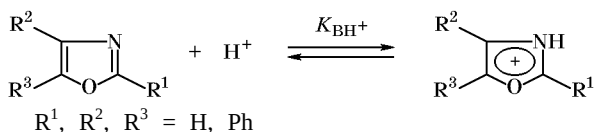
Reactions of 1-Halo-4-nitroanthraquinones with C-Nucleophiles

A. A. Tabatskaya and I. V. Beregovaya **p. 410** [abstract](#)



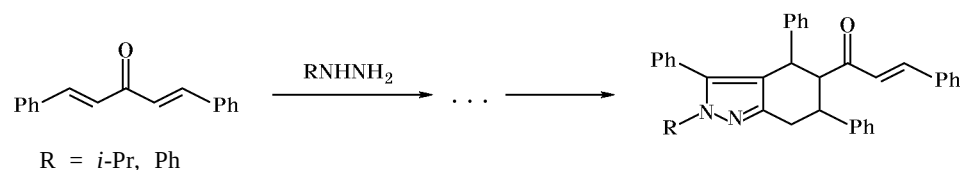
Basicity of Phenyl-Substituted 1,3-Oxazoles

R. E. Trifonov and V. A. Ostrovskii **p. 416** [abstract](#)



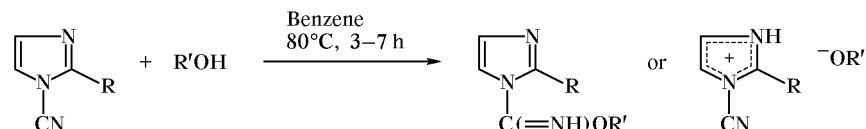
Reaction of 1,5-Diphenyl-1,4-pentadien-3-one and 1,5-Diphenyl-1-penten-4-yn-3-one with Monosubstituted Hydrazines

E. V. Botvinnik, A. N. Blandov, and M. A. Kuznetsov **p. 421** [abstract](#)



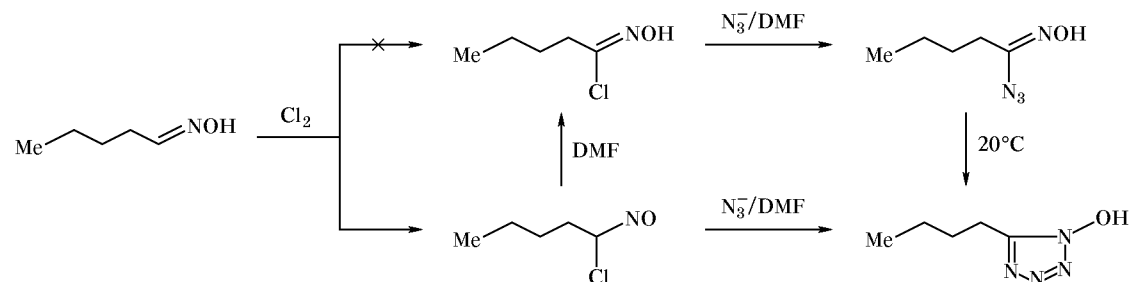
Reactions of 1-Cyanoimidazoles with Phenols

S. V. Pan'kov, N. A. Belyakova, V. V. Vishnyakov, and P. P. Purygin **p. 426** [abstract](#)



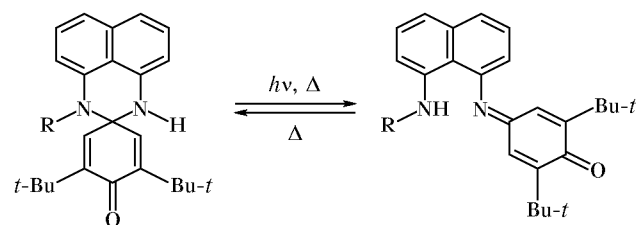
Synthesis and Reactivity of Carbohydroximoyl Azides: I. Aliphatic and Aromatic Carbohydroximoyl Azides and 5-Substituted 1-Hydroxytetrazoles Based Thereon

I. V. Tselinskii, S. F. Mel'nikova, and T. V. Romanova **p. 430** [abstract](#)



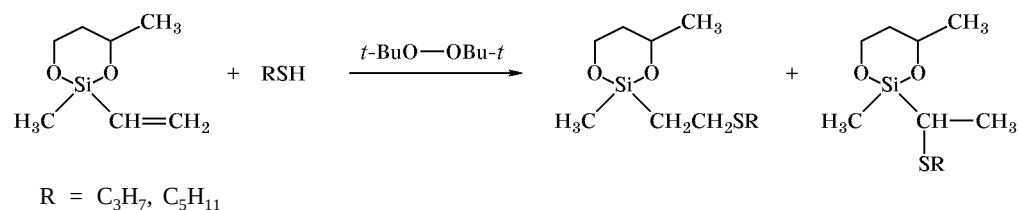
Thermodynamics of the Transformation of Spiranes of the Perimidine Series into Quinonimines

V. A. Kharlanov **p. 437** [abstract](#)



Homolytic and Conjugate Addition of Thiols to 2,4-Dimethyl-2-vinyl-1,3-dioxasilacyclohexane

R. M. Makaeva, V. V. Zorin, R. R. Musavirov, L. S. Brod'ko, S. V. Gvozdik, and R. S. Musavirov **p. 442** [abstract](#)

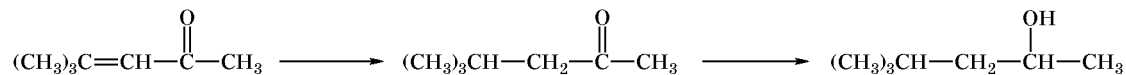


Short Communications

Chemical Aspects of Electrocatalytic Reduction of Carbonyl Compounds. Mesityl Oxide

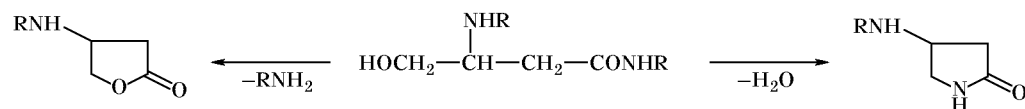
S. A. Shchelkunov, S. V. Mazakova, U. B. Bekenova, A. K. Amirkhanova,

and A. V. Shchelkunov **p. 446** [abstract](#)



Cyclization of 3-Alkylamino-4-hydroxybutanamides in Alkaline Medium

Z. I. Tyukhteneva, G. F. Muzychenko, M. A. Sibiryakova, and L. A. Badovskaya **p. 448** [abstract](#)



Synthesis of α,β -Unsaturated Ketones on the Basis of Bicyclo[3.3.1]nonane-2,6-dione

A. A. Pimenov, N. V. Makarova, M. N. Zemtsova, and I. K. Moiseev **p. 450** [abstract](#)

