

ISSN 1070-4280
CODEN: RJOCEQ

RUSSIAN JOURNAL OF ORGANIC CHEMISTRY

Editor-in-Chief
Irina P. Beletskaya

<https://pleiades.online>
<https://link.springer.com>



PLEIADES GROUP OF COMPANIES

Distributed by **SPRINGER NATURE**

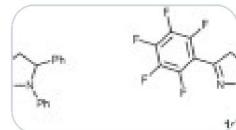
Pleiades
Publishing Group
Over
50 years
in the service of
science and education

25 articles in this issue

Functionalization of Terminal Epoxides. Tetraethylammonium Iodide-Catalyzed Meinwald Rearrangement and Synthesis of 1,3-Dioxolane

RESEARCH PAPER | 19 December 2025 | Pages: 1781 - 1788

Synthesis of Polyfluorinated Triphenylpyrazolines Containing Cationic Centers and Efficiency of Their Photodecomposition in the Presence of Borate Anion



RESEARCH PAPER | Open access | 19 December 2025 | Pages: 1789 - 1800

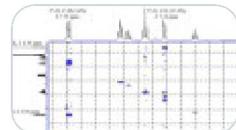
Mass Spectra of New Heterocycles. XXXI. Electron Impact Fragmentation of Functionalized 2,3-Dihdropyridines

RESEARCH PAPER | 19 December 2025 | Pages: 1801 - 1816

Synthesis of 5-Cyano-2-methyl-N-(2-methylphenyl)-4-(4-nitrophenyl)-6-sulfanylidene-1,6-dihdropyridine-3-carboxamide Derivatives

RESEARCH PAPER | 19 December 2025 | Pages: 1817 - 1822

Cycloaddition of Nitrile Imine to (R)-(-)-Carvone

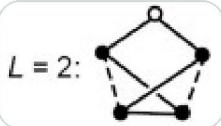


RESEARCH PAPER | 19 December 2025 | Pages: 1823 - 1826

Reaction of Cyanoselenoacetamide with 1-Aryl-2-Bromoethanones

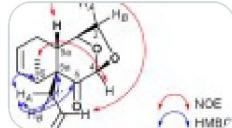
RESEARCH PAPER | 19 December 2025 | Pages: 1827 - 1830

Thermal Isomerization of 6 π -Electron Five-Membered Aromatic Heterocycles C₄H₃FX (X = NH, O, S)



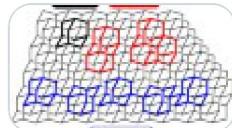
RESEARCH PAPER | Open access | 19 December 2025 | Pages: 1831 - 1836

Reaction of Allyl Bromide with the Diels–Alder Adduct of Levoglucosenone and Piperylene



RESEARCH PAPER | Open access | 19 December 2025 | Pages: 1837 - 1841

Functionalization of 1,1'-Biadamantanes in Acidic Medium

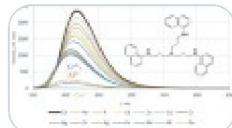


RESEARCH PAPER | Open access | 19 December 2025 | Pages: 1842 - 1853

Reaction of 1-Antipyryl-4-aryl-5-methoxycarbonyl-1H-pyrrole-2,3-diones with Urea and Thiourea

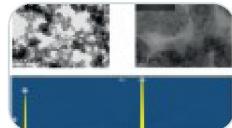
RESEARCH PAPER | Open access | 19 December 2025 | Pages: 1854 - 1859

Synthesis of N,N',N"-Triaryl Tris(3-aminopropyl)amine Derivatives and Their Study as Fluorescent Sensors for Metal Cations



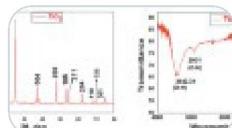
RESEARCH PAPER | 19 December 2025 | Pages: 1860 - 1872

Copper and Copper Oxide Nanoparticles in the Synthesis of N-Arylamines of the Adamantane Series



RESEARCH PAPER | 19 December 2025 | Pages: 1873 - 1883

Mycogenic TiO₂ Nanoparticles Fabricated by *Aspergillus niger*: Room Temperature Green Synthesis of Bioactive 2-Amino-4H-1-benzopyrans



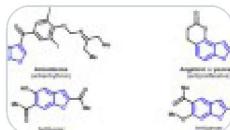
RESEARCH PAPER | 19 December 2025 | Pages: 1884 - 1893

Design, Synthesis, and Antifungal Evaluation of Thiazole-Containing Pyrazole Hydrazide Derivatives



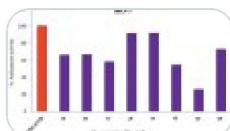
RESEARCH PAPER | 19 December 2025 | Pages: 1894 - 1902

Synthesis and Molecular Docking Study of 2-Aroyl-3-phosphonylbenzofurans as Bacterial DNA Gyrase Inhibitors



RESEARCH PAPER | 19 December 2025 | Pages: 1903 - 1914

Synthesis, Anticancer Evaluation, and In Silico Docking Studies of 1-[(1-Phenyl-1*H*-1,2,3-triazol-5-yl)methyl]-4-(pyridin-2-yl)piperazine Hybrids as Potential MCF Antagonists

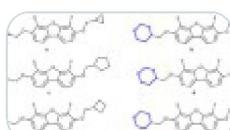


RESEARCH PAPER | 19 December 2025 | Pages: 1915 - 1922

Cu-Catalyzed Desulfitative Trifluoromethylation of Styrene Sulfinic Acid with CF₃SO₂Na

RESEARCH PAPER | 19 December 2025 | Pages: 1923 - 1927

Synthesis and Phase Transition Behavior of 2-Amino-4-(halophenyl)-6-methyl-5-(morpholine-4-carbonyl)-4*H*-pyran-3-carbonitrile Derivatives for Liquid Crystal Applications

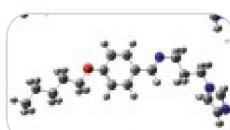


RESEARCH PAPER | 19 December 2025 | Pages: 1928 - 1935

Synthesis and Anticancer Activity of Quinoline–Benzimidazole Hybrids

RESEARCH PAPER | 19 December 2025 | Pages: 1936 - 1941

Synthesis, Characterization (IR, NMR), DFT Calculations, Gamma-Ray Absorption, Antimicrobial Activity, and In Silico Study of Imidazole Derivatives

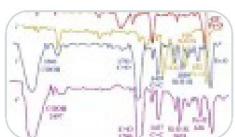


RESEARCH PAPER | 19 December 2025 | Pages: 1942 - 1958

Design, Synthesis, and Characterization of Some Novel Imatinib Derivatives as Promising Anticancer Agents

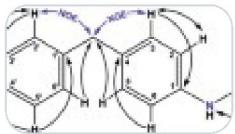


Application of $\text{Fe}_3\text{O}_4@\text{SiO}_2\text{Pr}@4\text{-hydroxy-3-methoxybenzaldehyde/bis(thioglycolic acid)}$ as a Green, Efficient, and Magnetically Recoverable Catalyst for the Synthesis of Thiazolidinones



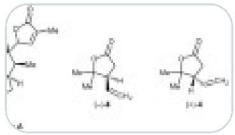
RESEARCH PAPER | 19 December 2025 | Pages: 1968 - 1976

Synthesis of 4-(4-Azidobenzyl)phenol and N -[4-(4-Azidobenzyl)phenyl]acetamide



SHORT COMMUNICATION | 19 December 2025 | Pages: 1977 - 1980

Synthesis of (4*R*)-4-Ethenyl-5,5-dimethyltetrahydrofuran-2-one and 6,6-Dimethyl-5-(2-oxopropyl)tetrahydro-2*H*-pyran-2-one from (+)-3-Carene



SHORT COMMUNICATION | 19 December 2025 | Pages: 1981 - 1984

Chemodivergent Photocatalytic Reaction of Sodium Benzenesulfinate and 2-Iodopyridine

SHORT COMMUNICATION | 19 December 2025 | Pages: 1985 - 1989