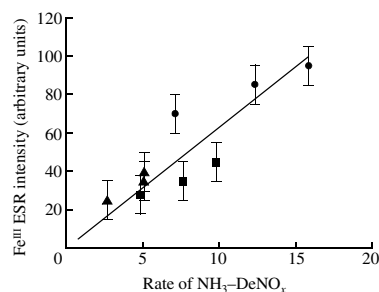


Mendeleev Communications

CONTENTS

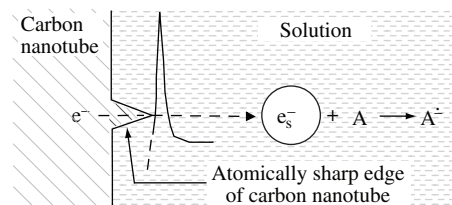
309 Nature of active sites in a Fe-Beta catalyst for NO_x selective catalytic reduction by NH₃

Dmitrii E. Doronkin, Aleksandr Yu. Stakheev,
Alexei V. Kuchеров, Nikolai N. Tolkachev,
Galina O. Bragina, Galina N. Baeva,
Pär Gabrielsson, Ioannis Gekas, Søren Dahl



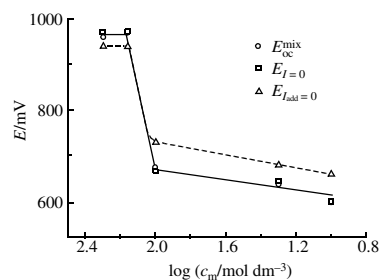
311 Injection of electrons in hexamethylphosphoric triamide solutions at moderate cathodic potentials

Alexander G. Krivenko, Natal'ya S. Komarova,
Natalia P. Piven'



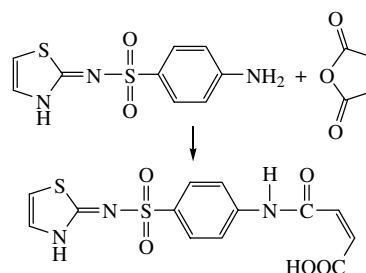
313 Open-circuit potentials of a platinized platinum electrode in mixed oxygen-methanol solutions

Boris I. Podlovchenko, Tatyana D. Gladysheva



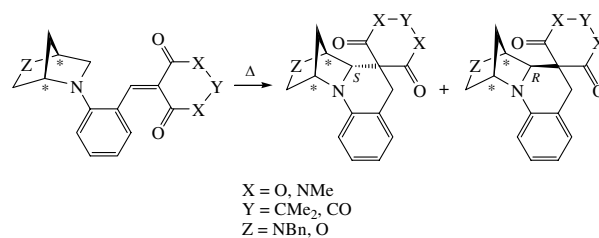
315 Acylation of sulfathiazole with maleic anhydride under mechanochemical activation

Mikhail A. Mikhailenko, Tatiana P. Shakhtshneider,
Vladimir V. Boldyrev

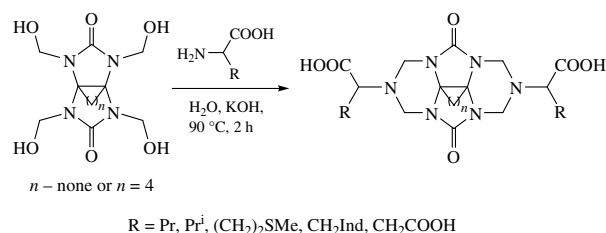


318 Stereochemical outcome of the T-reaction employing chiral bicyclic amines

Constantin Rabong, Carine Valla, Victor G. Kartsev,
Ulrich Jordis

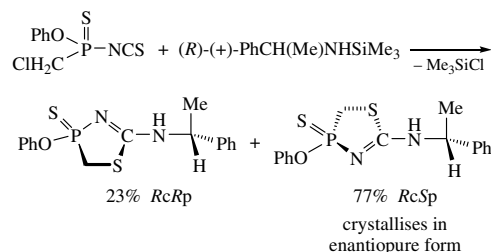


- 321 **Synthesis of enantiomerically pure fused polyheterocyclic glycolurils based on (S)- α -amino acids**



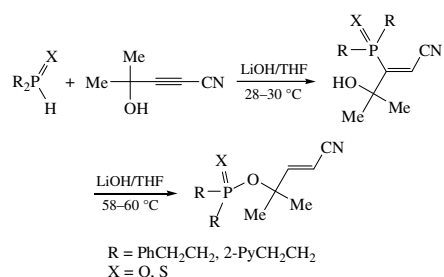
Il'ya E. Chikunov, Angelina N. Kravchenko,
Nina N. Makhova

- 323 **Synthesis of enantiopure 1,3,4-thiazaphospholes**



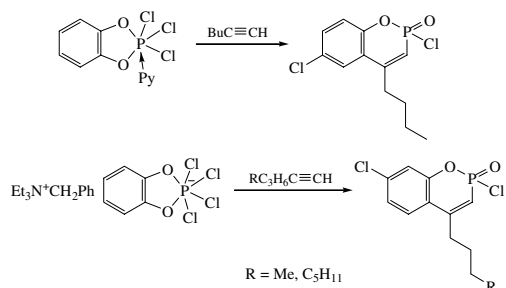
Lyudmila K. Kibardina, Mikhail A. Pudovik,
Vladimir A. Alfonsov, Olga N. Kataeva

- 325 **Nucleophilic addition of secondary phosphine chalcogenides to α,β -acetylenic γ -hydroxy acid nitriles and a rearrangement of the adducts**



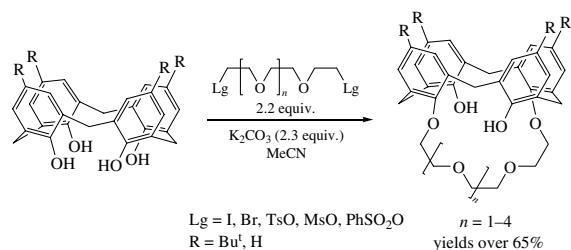
Svetlana N. Arbuzova, Nina K. Gusarova,
Maria V. Bogdanova, Igor A. Ushakov,
Anastasiya G. Mal'kina, Boris A. Trofimov

- 327 **Pyridine and benzyltriethylammonium chloride *ate*-complexes of 2,2,2-trichlorobenzo[d]-1,3,2-dioxaphosphole in reactions with alk-1-yne**



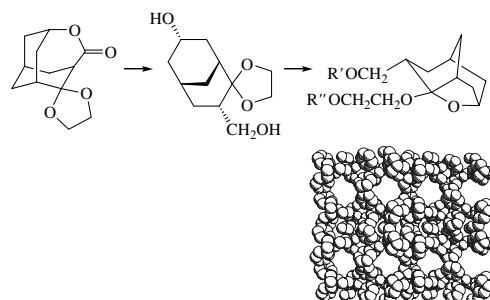
Andrey V. Nemtarev, Vladimir F. Mironov,
Elena N. Varaksina, Yulia V. Nelyubina,
Mikhail Yu. Antipin, Rashid Z. Musin,
Alexander I. Konovalov

- 330 **Facile synthesis of cone *p*-tert-butylcalix[4]arene-crown conformers**



Elena A. Alekseeva, Stepan S. Basok,
Alexander V. Mazepa, Andrei I. Gren

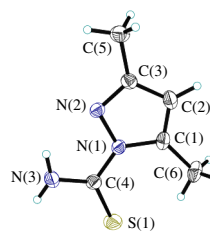
- 332 **Crystal structure of the tritylated product of 3-hydroxymethylbicyclo[3.3.1]nonan-2-on-7-ol ethylene acetal cyclization**



Olga N. Zefirova, Evgeniya V. Nurieva,
Vyacheslav N. Nuriev, Konstantin A. Potekhin,
Andrei V. Maleev, Nikolai V. Zyk,
Nikolai S. Zefirov

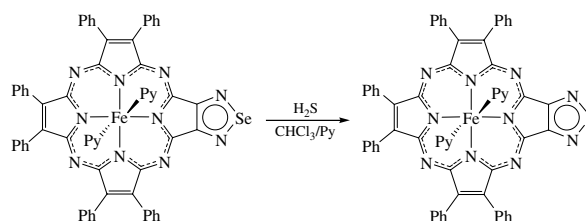
335 **Synthesis, characterisation and crystal structure of 3,5-dimethylpyrazole-1-carbothioic acid amide**

Sukhvinder K. Chawla, Simrat Kaur, Nidhi Gupta, Geeta Hundal



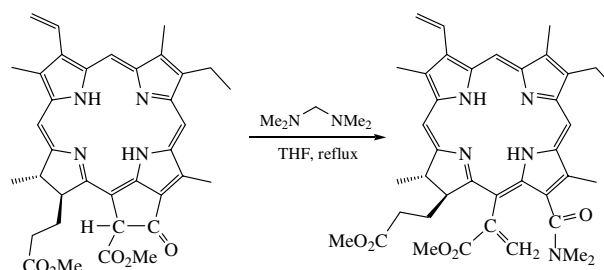
337 **Iron(II) complexes of hexaphenyl(1,2,5-thia/selenadiazolo)porphyrazine: the direct replacement of Se by S in the 1,2,5-selenadiazole ring**

Anwar Ul-Haq, Maria Pia Donzello, Pavel A. Stuzhin



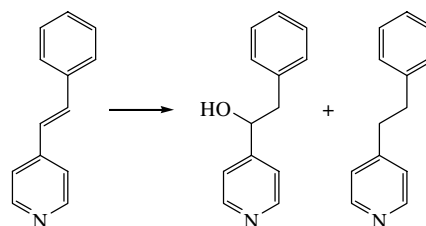
340 **Unexpected transformations of methylpheophorbide *a* under the action of bis(*N,N*-dimethylamino)methane**

Dmitrii V. Belykh, Irina S. Tarabukina, Ivan V. Gruzdev, Aleksandr V. Kutchin



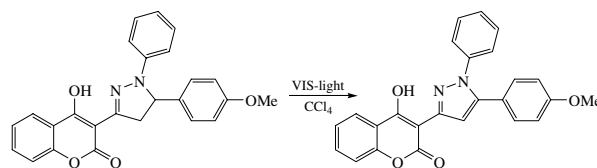
343 **Catalytic reduction of an α,β -disubstituted alkene with sodium borohydride in the presence of tetra-*tert*-butylphthalocyanine complexes**

Valery V. Kalashnikov, Larisa G. Tomilova



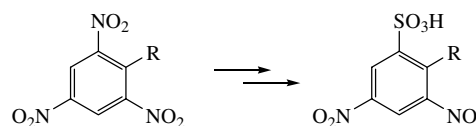
345 **Quantitative photooxidation of 4-hydroxy-3-pyrazolinylicoumarins to pyrazolyl derivatives**

Valery F. Traven, Ivan V. Ivanov, Aleksandr S. Pavlov, Aleksandr V. Manaev, Irina V. Voevodina, Valery A. Barachevskii



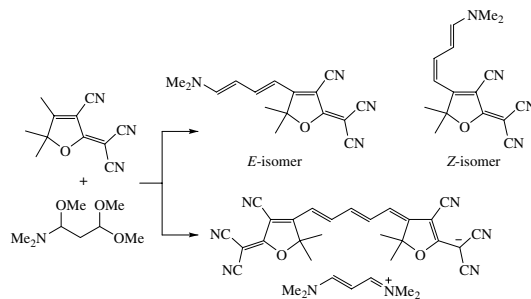
347 **Selective introduction of sulfo groups into aromatic nitro compounds**

Mikhail D. Dutov, Olga V. Serushkina, Svyatoslav A. Shevelev, Konstantin A. Lyssenko



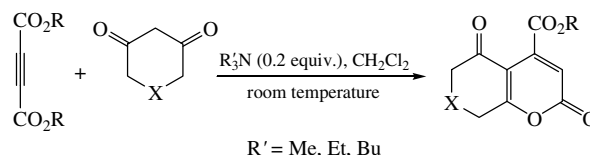
- 349 **Synthesis of conjugated polynitriles by the reactions of β -dimethylaminoacrolein ainal and 1-dimethyl-amino-1,3,3-trimethoxypropane with 2-dicyano-methylene-4,5,5-trimethyl-3-cyano-2,5-dihydrofuran**

Zhanna A. Krasnaya, Evgeniya O. Tret'yakova,
Vadim V. Kachala, Sergei G. Zlotin



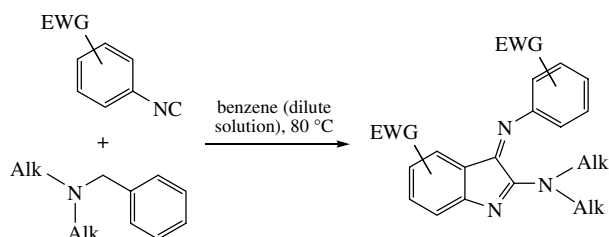
- 352 **Reaction between dialkyl acetylenedicarboxylates and six-membered 1,3-diketones in the presence of trialkylamines: a convenient synthesis of alkyl 2,5-dioxo-5,6,7,8-tetrahydro-2*H*-chromene-4-carboxylates**

Farough Nasiri, Kourosh Pourdavaie,
Samiyeh Yosefdad, Bahareh Atashkar



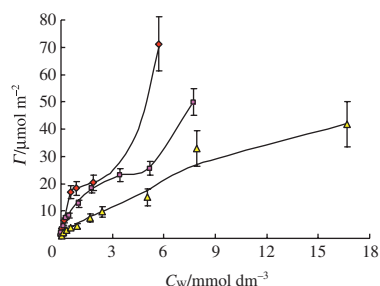
- 354 **Synthesis of 3-iminoindole derivatives by the reactions of aromatic isocyanides with *N,N*-dialkylbenzylamines**

Maxim A. Mironov, Maria I. Tokareva,
Vladimir S. Mokrushin



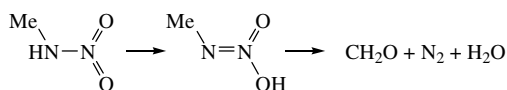
- 357 **Surfactant adsorption at the water-*p*-xylene interface as studied by the scintillation phase method**

Gennadii A. Badun, Oxana A. Soboleva,
Maria G. Chernysheva



- 359 **A theoretical study of the mechanism of the gas-phase unimolecular decomposition of *N*-methylnitramine**

Elisey A. Mazilov, Ekaterina V. Nikolaeva,
Alexander G. Shamov, Grigori M. Khrapkovskii



- 362 **Polythermal study of C_{60} solubility in tetralin**

Aleksey V. Kozlov, Arkadii M. Kolker,
Nikolai G. Manin, Nadezhda I. Islamova

