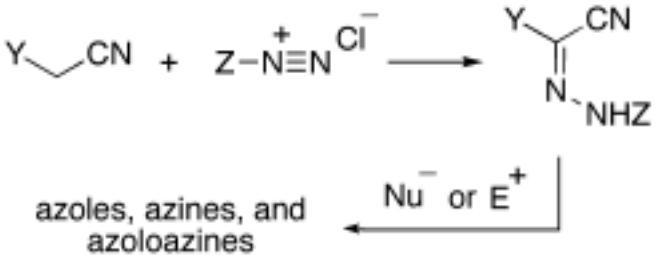
■ **REVIEW**

2545 **Chemistry of Hydrazonoalkanenitriles**

Sayed M. Riyadh,* Ismail A. Abdelhamid, Hamada M. Ibrahim, Hamad M. Al-Matar, and Mohamed H. Elnagdi

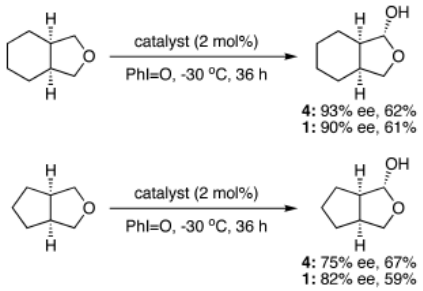


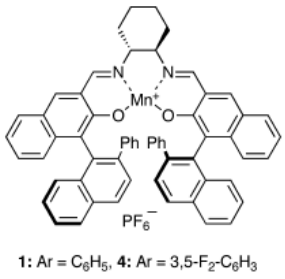
Hydrazononitrile Hydrazone Azole Azine Azoloazine

■ **COMMUNICATION**

2587 **Oxidative Desymmetrization of *meso*-Cyclic Ethers (2): Recognition of the Core Structure of Substrates of the Mn(salen) Catalyst**

Hidehiro Suematsu, Yuusuke Tamura, Hiroaki Shitama, and Tsutomu Katsuki*



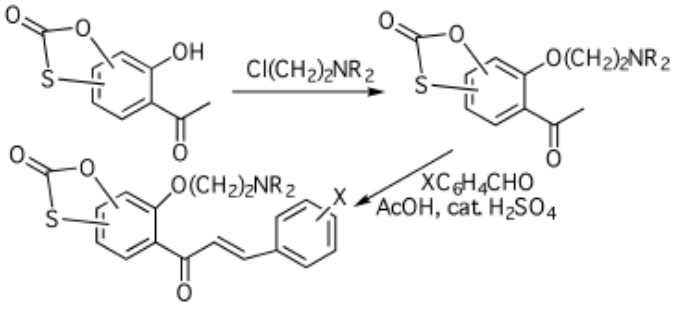


Asymmetric Catalysis Desymmetrization C-H Oxidation Mn(salen) Complex Chiral Recognition

■ **PAPERS**

2595 **Synthesis of Oxathiolone Fused Chalcones Bearing *O*-Aminoalkyl Side Chain. Comparison of Stability of Isomeric Benzoxathiolones under Alkylation Reaction Conditions**

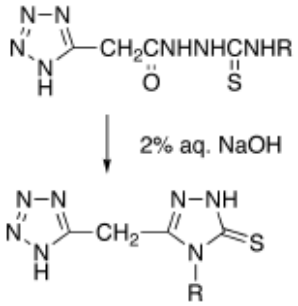
Marek T. Konieczny,* Wojciech Konieczny, Danuta Pirska, Anita Bułakowska, Michal Sabisz, Andrzej Skladanowski, Roland Wakieć, Ewa Augustynowicz-Kopeć, and Zofia Zwolska



Oxathiolone Ring Opening Phenol Alkylation Aldol Reaction Chalcone Biological Activity

2617 **Reaction of Hydrazide of (Tetrazol-5-yl)acetic Acid with Isothiocyanates and Antimicrobial Investigations of Newly-Obtained Compounds**

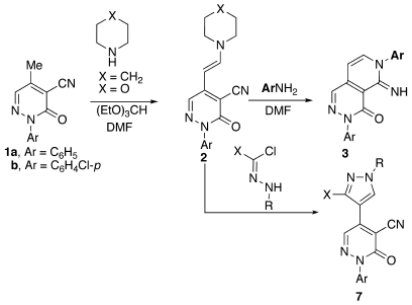
Monika Wujec,* Urszula Kosikowska, Piotr Paneth, and Anna Malm



Thiosemicarbazide Isothiocyanate Cyclization Actimicrobial Activity DFT Calculation

2627 **Studies Using (*E*)-6-Oxo-1-aryl-4-(2-*N*-piperidinyl)vinyl-1,6-dihydropyridazine-5-carbonitrile**

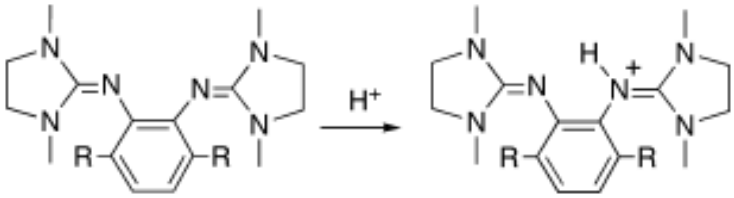
Ismail Abdelshafy Abdelhamid,* Said Ahmed Soliman Ghozlan, Heinz Kolshorn, Herbert Meier, and Mohamed Hilmy Elnagdi



4-Methyl-6-oxopyridazine-5-carbonitrile Piperidinyl- or Morpholylenamine Pyrido[3,4-*d*]pyridazin-4-one Pyrazolylpyridazine

2639 **Quantum-Chemical Study of 1,2-Bis(dimethylethylene-guanidino)benzenes**

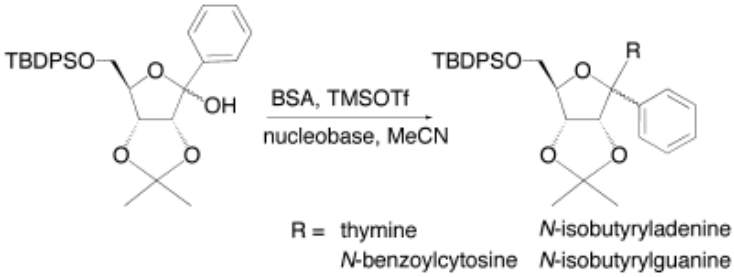
Davor Margetić,* Waka Nakanishi, Takuya Kumamoto, and Tsutomu Ishikawa*



Guanidine Calculation Basicity Protonation Rotational Barrier

2659 **Synthesis of 1'-Phenyl Substituted Nucleoside Analogs**

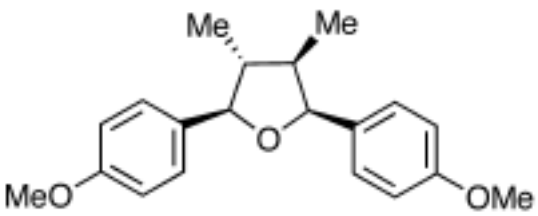
Tamer Nasr, Yosuke Taniguchi, and Shigeki Sasaki*



1'-Branched Nucleoside *N*-Glycosidation Ribonucleoside

2669 **A Stereocontrolled Construction of *rel*-(7*S*,8*S*,7'*R*,8'*S*)-7,7'-Epoxylignan Skeleton**

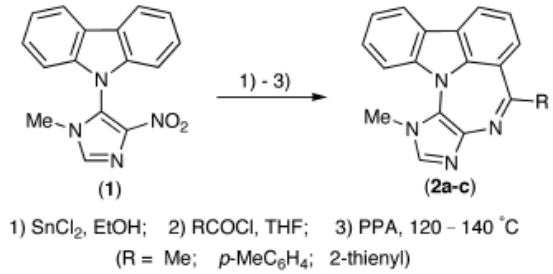
Maria Kitamura, Hiromi Hayashi, Masahiro Yano, Tetsuaki Tanaka, and Naoyoshi Maezaki*



7,7'-Epoxylignan 2,5-Diaryltetrahydrofuran Diastereoselective Michael Addition

2681 **Synthesis of 8-Substituted 12-Methyl-12*H*-imidazo-[4',5': 2,3][1,4]diazepino[6,7,1-*jk*]carbazoles**

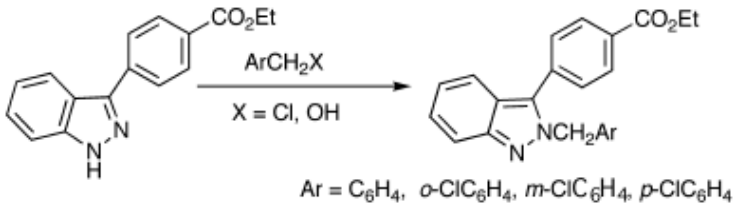
Kayed A. Abu Safieh, Fouad H. Darras, Mikdad T. Ayoub, Mustafa M. El-Abadelah, Salim S. Sabri, and Wolfgang Voelter*



Carbazole Bischler-Napieralski Reaction 9-(4-Carboxamidoimidazol-5-yl)carbazole Imidazo[1,4]diazepino[6,7,1-*jk*]carbazole

2689 **Microwave-Assisted Synthesis of *N*-2-Benzyl-3-(4-ethoxycarbonylphenyl)indazole Derivatives**

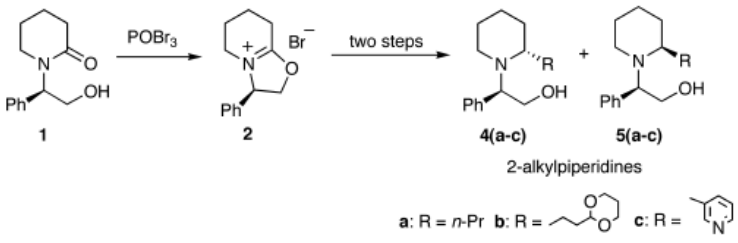
Hua-Sin Chen, Li-Jiau Huang, Fung Fuh Wong,* Fang-Yu Lee, Che-Ming Teng, and Sheng-Chu Kuo*



Indazole Benzylation Mitsunobu Reaction Microwave-Assisted Reaction

2699 **Preparation of (*R*)-(+)-3-Phenyl-2,3,5,6,7,8-hexahydro-oxazolo[3,2-*a*]pyridin-4-ylium Bromide: Synthesis of (*S*)-(+)-Coniine, (*R*)-(-)-Coniceine and (*R*)-(+)-Anabasine**

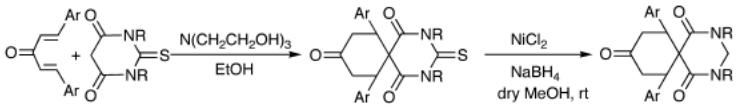
Alejandro Castro, Johana Ramírez, Jorge R. Juárez,* Joel L. Terán,* Laura Orea, Alberto Galindo, and Dino Gnecco



Hexahydrooxazolo[3,2-*a*]pyridin-4-ylium Bromide Phosphorus Oxybromide Reduction Phenylhexahydrooxazolo[3,2-*a*]pyridine

2709 **7,11-Diaryl-2,4-diazaspiro[5.5]undecane-1,5,9-triones: A New Series of Spiroheterocycles**

Jitender M. Khurana,* Reema Arora, and Sarishti Satija



Desulfurization Nickel Boride Michael Addition Spiro Compound

■ NOTES

■ NEW HETEROCYCLIC NATURAL PRODUCTS