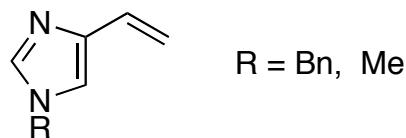


■ COMMUNICATIONS

1 **Regioselective Synthesis of 1-Benzyl- and 1-Methyl-4-vinylimidazole and Their Reactions with *N*-Phenylmaleimide**

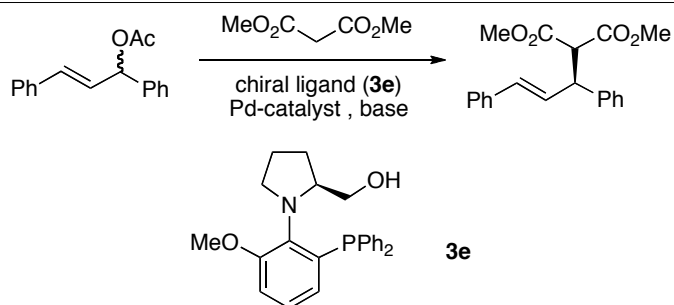
H. V. Rasika Dias, Hongwang Du, and Carl J. Lovely*



Diels-Alder Reaction Ene Reaction Cycloaddition Vinylimidazole

9 **Palladium-catalyzed Asymmetric Allylic Alkylation Using Chiral Prolinol-derived Aminophosphine Ligands**

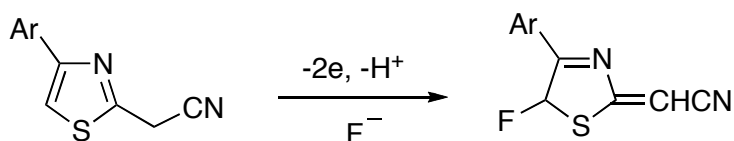
Tsutomu Fujita, Masami Sakamoto, Koji Akita, Youichi Tanaka, and Takashi Mino*



Palladium Prolinol Amine Phosphine Asymmetric Allylic Alkylation

15 **Electrolytic Partial Fluorination of Organic Compounds. 66. Anodic Fluorination of (Thiazol-2-yl)acetonitriles**

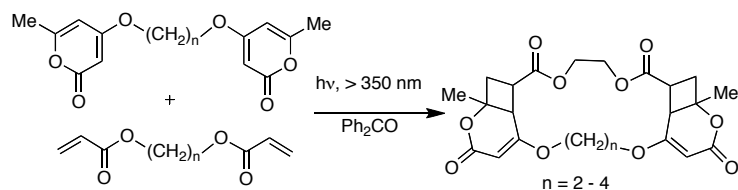
Sayed M. Riyadh and Toshio Fuchigami*



Direct Fluorination Fluorinated Heterocycle Anodic Substitution Regioselectivity Aromaticity

23 **One-Pot Synthesis of Macrocyclic Dioxatetralactones from the Sequential Inter- and Intramolecular [2+2] Photocycloaddition Reaction**

Kenichi Somekawa, Teruo Shinmyozu, Mikio Yasutake, Eriko Fukushima, Makoto Kawamura, and Tetsuro Shimo*

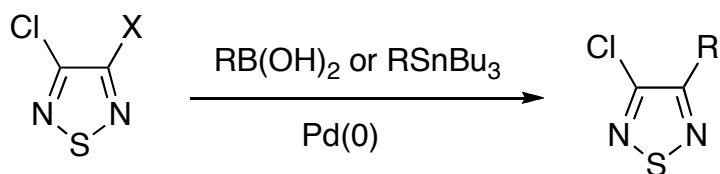


Di-2-pyrone Photocycloaddition Macrocyclic Dioxatetralactone MO Analysis Ethylene Diacrylate

■ PAPERS

29 The Palladium-catalyzed Cross-Coupling Reactions of 3-Chloro-4-halogeno-1,2,5-thiadiazoles

Hugo J. Gorissen and Alain Merschaert*

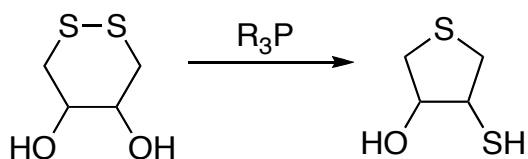


X = Cl, Br, I; R = allyl, alkenyl, alkynyl, aryl

3,4-Dichloro-1,2,5-thiadiazole 3-Chloro-4-substituted 1,2,5-Thiadiazole Stille Cross-Coupling Suzuki Cross-Coupling

47 Phosphine-assisted Rearrangement of 4,5-Dihydroxy-1,2-dithianes to 4-Hydroxy-3-mercaptotetrahydrothiophenes

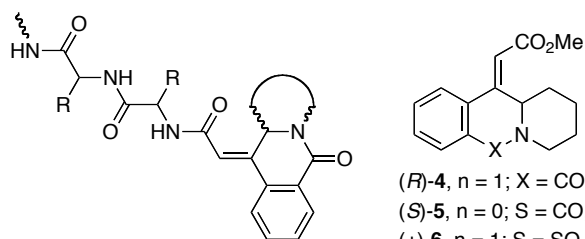
Sang Hyup Lee and Harold Kohn*



1,2-Dithiane Rearrangement 4-Hydroxy-3-mercaptotetrahydrothiophene Stereospecific Mild Condition

57 Synthesis of Heterocyclic γ -Amino- α,β -unsaturated Acid Derivatives and Peptide-Heterocycle Hybrids

Francisco Sánchez-Sancho, Enrique Mann, Antonio Salgado, and Bernardo Herradón*

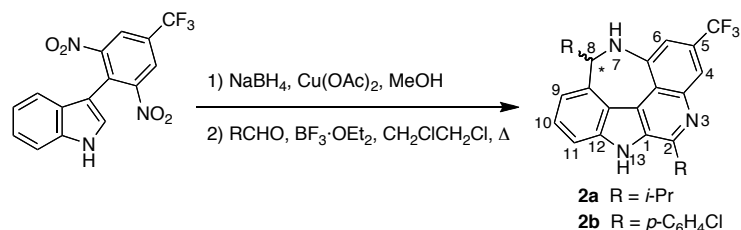


(*R*)-**4**, n = 1; X = CO, (*R*)-enantiomer
 (*S*)-**5**, n = 0; S = CO, (*S*)-enantiomer
 (\pm)-**6**, n = 1; S = SO₂, racemic

Heck Reaction Amino Alcohol Swern Oxidation Wittig Reaction

73 New Synthesis of Model Dihydroazepine-fused Indolo[2,3-*c*]quinolines

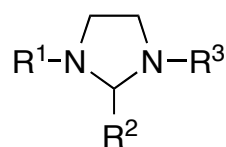
Roland Boese, Adel M. Al-Khashashneh, and Mustafa M. El-Abadlah*



3-(2,6-Diaminoaryl)indole Pictet-Spengler Reaction Double Cyclization X-Ray and Spectral Data

89 ¹H NMR Spectroscopy and Conformational Analysis of *N*-Benzylimidazolidines

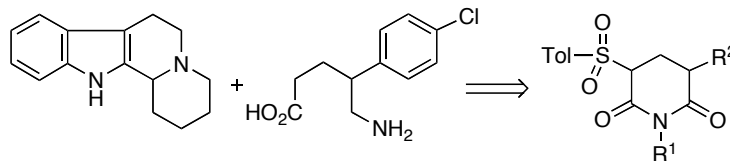
Alejandra Salerno, Carlos de los Santos, and Isabel A. Perillo*



N-Benzylimidazolidine Conformational Analysis Heteronuclear Coupling ¹HNMR NOESY Spectra

99 Regioselective Reduction of *N*-Alkyl-3-sulfonyl Glutarimide. Formal Synthesis of 1,2,3,4,6,7,12,12b-Octahydroindolo[2,3-*a*]quinolizine and Homobaclofen

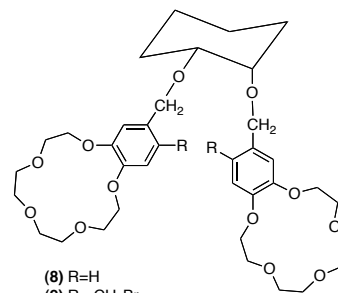
Meng-Yang Chang and Shui-Tein Chen*



Acyliminium Ion Imide Acetamide Ester Cycloaddition

113 Synthesis and Extraction Properties of New Bis-crown Ethers Derived from Stereoisomer of 1,2-Cyclohexanediols for Alkali Metal Cations

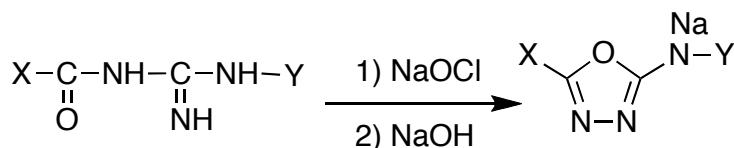
Tahereh Malekshah, Ali Gouran, and Seyed Mohammad Seyedi*


 (8) R=H
(9) R=CH₂Br

Bis(benzo-15-crown-5) Sandwich Type Crown Ether Complexation Steric Hindrance Extractability

121 Chlorination and Subsequent Cyclization to 1,3,4-Oxadiazoles of *N*-Acyl-*N*'-cyanoguanidines and Related Compounds

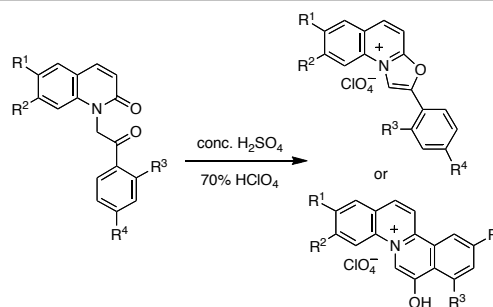
Hiroyuki Ohkoshi, Masahiko Tomaru, Motokazu Oda, Tadashi Hasegawa, and Takayuki Suyama*


 X=Ph, Me, MeO, EtO, Me₂N; Y=CN, SO₂Ar

N-(Cyanoamidino)urea *N*-(Cyanoamidino)carbamate 2-Aminooxadiazole Preparation Rearrangement

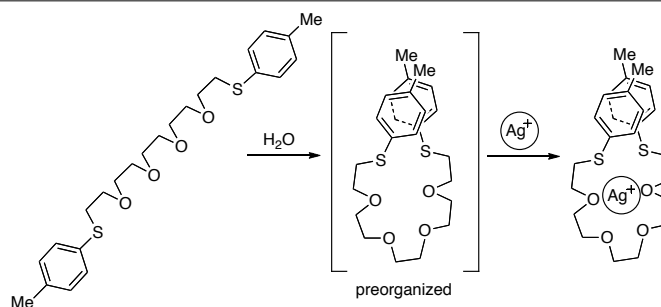
131 Synthesis of Dibenzo[*a*,*f*]quinolizinium and 2-Phenyloxazolo[3,2-*a*]quinolinium Perchlorates via Acid-catalyzed Cyclization of 1-(2-Oxo-2-phenylethyl)quinoline-2(1*H*)-ones

Tai-Chi Wang, Yeh-Long Chen, I-Li Chen, and Cherng-Chyi Tzeng*


 Tetracyclic Quaternary Aromatic Alkaloid Dibenzo[*a*,*f*]quinolizinium Perchlorate Oxazolo[3,2-*a*]quinolinium Perchlorate

143 A Pseudo Thiocrown Compound Formed by Hydrophobic Interaction of Its Lipophilic Parts in Water: Ag⁺-Selective Fluorophore in Water

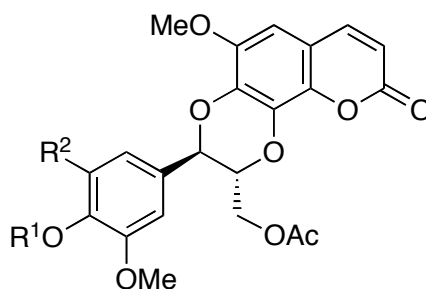
Tetsuya Shirakawa, Norio Atarashi, Takashi Funaki, Susumu Nishio, Seiichi Inokuma, and Jun Nishimura*


 Podand Ag⁺-Selective Ionophore Water-soluble Pseudo Thiocrown Fluorescence Extraction

■ NOTES

151 **Phosphodiesterase Inhibitory Coumarinolignoids from *Duranta repens***

Muhammad Iqbal Chaudhary, Naheed Fatima, Naveen Muhktar, Itrat Anis, Kiran Iqbal, and Abdul Malik*

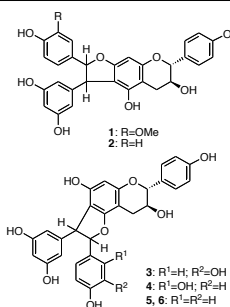


- 1 $R^1 = R^2 = H$
- 2 $R^1 = Me ; R^2 = H$
- 3 $R^1 = H ; R^2 = OMe$

Duranta repens Verbenaceae Coumarinolignoid Phosphodiesterase Inhibition

159 **Six Flavonostilbenes from *Gnetum africanum* and *Gnetum gnemon***

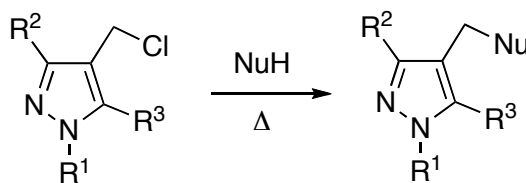
Makoto Ubukata, Nobuyasu Matsuura, Dedy Darnaedi, Jin Murata, Yoshiaki Shirataki, Ken-ichi Nakaya, Miyuki Furusawa, Munekazu Inuma, Zulfiqar Ali, Ibrahim Iliya, and Toshiyuki Tanaka*



Gnetum africanum *Gnetum gnemon* Gnetaceae Flavonostilbene Antioxidant

167 **An Easy Method for the *N*-Alkylation of Amides, Carbamates, Ureas and Azoles. Reactivity of 4-Chloromethylpyrazoles with Weak Nucleophiles under Neutral Conditions**

Mayoral Elena Pérez and Ballesteros Paloma*

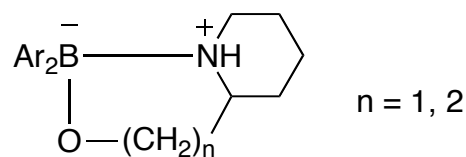


NuH = RCONH₂, ROCONH₂, RNHCONH₂, AzolNH
ROH, RSH

Synthesis *N*-Alkylated Amide Ether and Thioether Derivatives Bis-pyrazole Chelating Agent for Lanthanide

177 **Anticoccidial Activity of Some Azacyclo Organoborinates**

Yoshio Hayase, Hideyuki Imazaki, Hisashi Taniguchi, Harumoto Kawaguchi, and Hitoshi Tabuchi*

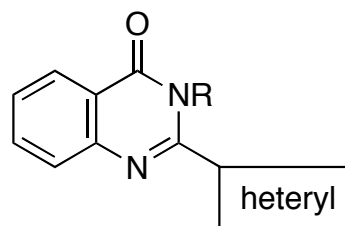


Diarylboron Ester *In vivo* Assay *Eimeria tenella* *Eimeria acervulina* Low Toxicity

■ REVIEW

183 **A Review on 2-Hetaryl- and Heteroalkyl 4(3*H*)-quinazolinones**

Thipireddy Vasantha, Padi Pratap Reddy, and Padala Satyanarayana Reddy*



4(3*H*)-Quinazolinone Indole Oxadiazole Diazine Morpholine

■ NEW HETEROCYCLIC NATURAL PRODUCTS

- 227 Polyketides
- 232 Aromatics
- 250 Terpenes
- 267 Steroids
- 270 Alkaloids
- 281 Antibiotics
- 285 Miscellaneous