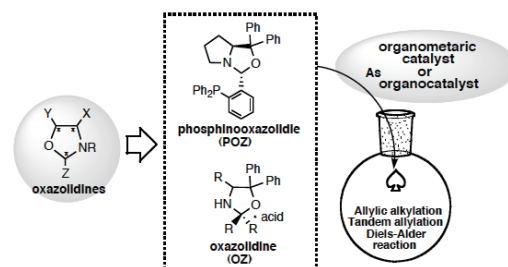


■ REVIEW

1 Chiral Oxazolidine Catalyst for Asymmetric Synthesis

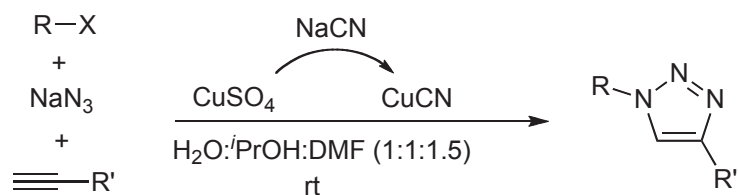
Hiroto Nakano,* Yuko Okuyama, and Eunsang Kwon



Oxazolidine Isoquinuclidine Diels-Alder Reaction Organocatalyst Allylation

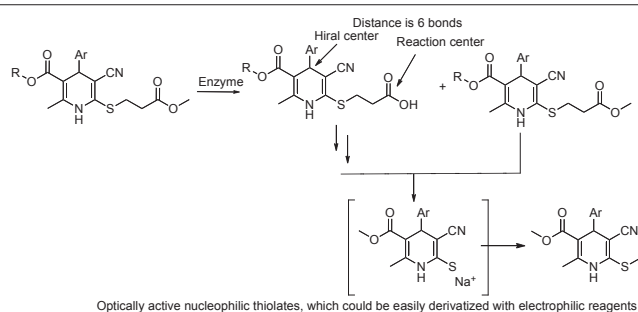
■ PAPERS

 27 A Cu[I] Catalyzed Mild and General Synthesis of 1,4-Disubstituted-1,2,3-triazoles from Terminal Acetylenes and *In Situ* Generated Alkyl Azides

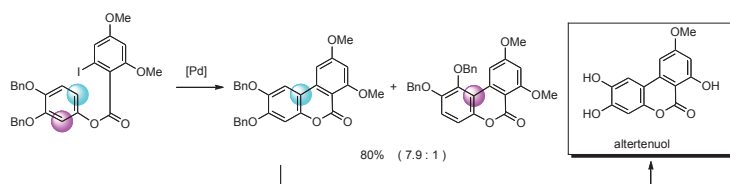
 José Emilio de la Cerda-Pedro,
 Yoarhy Alejandro Amador-Sánchez,
 Mayra Cortés-Hernández, Jovana Pérez-Pérez,
 Susana Rojas-Lima,* and Heraclio López-Ruiz*


Huisgen Cycloaddition Reaction Click Chemistry Triazole One-Pot Reaction NaCN

43 Effective Method of Lipase-Catalyzed Enantioresolution of 6-Alkylsulfanyl-1,4-dihydropyridines

 Zigmars Andzans,* Ilze Adlere, Aleksandrs Versilovskis,
 Laura Krasnova, Signe Grinberga, Gunars Duburs, and
 Aivars Krauze

 1,4-Dihydropyridine *Candida antarctica* Lipase B Amano Acylase Enzymatic Kinetic Resolution Remote Chiral Center

59 Regioselectivity of the Palladium-Mediated Intramolecular Coupling Reaction of Highly Oxygenated Phenyl Benzoate Derivatives and Application to the Synthesis of Alvertenuol

 Takuya Matsukihira, Shumpei Saga, Yoshikazu Horino, and
 Hitoshi Abe*


Palladium Catalyst Polyphenol Biaryl Coupling Coordination Phosphine Ligand

69 Ferrier Glycosylation Reaction Catalyzed by Bi(OTf)₃-Montmorillonite K-10: Efficient Synthesis of 3,4-Unsaturated Sialic Acid Derivatives: Synthesis and Biological Evaluation as Inhibitors of Human Parainfluenza Virus Type 1

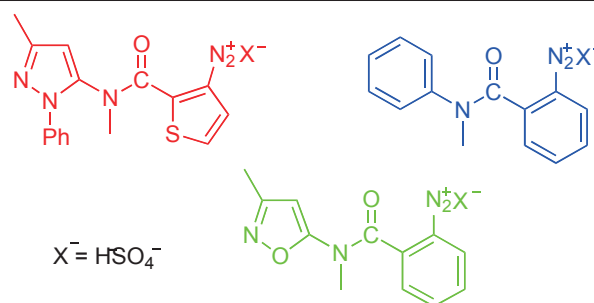
Mai Oba, Yayoi Ueno, Satoru Kitani, Takuya Hayakawa, Tadanobu Takahashi, Takashi Suzuki, Masayuki Sato, and Kiyoshi Ikeda*



hPIV-1 Sialidase Inhibitor Ferrier Glycosylation Reaction Sialic Acid 3,4-Unsaturated Sialic Acid Bismuth Triflate-Montmorillonite K-10

83 Radical Cyclization and 1,5-Hydrogen Transfer in Selected Aromatic Diazonium Salts

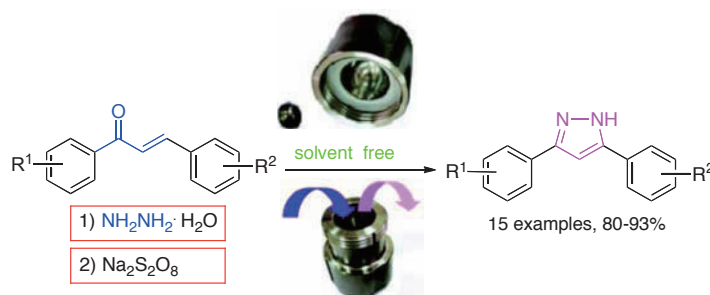
Benedetta Maggio, Gianfranco Fontana, Demetrio Raffa, Francesco Ferrante, and Giuseppe Daidone*



Radical Cyclization Heteroaromatic Diazonium Salt 1,5-Hydrogen Shift

103 One-Pot Synthesis of 3,5-Diphenyl-1H-pyrazoles from Chalcones and Hydrazine under Mechanochemical Ball Milling

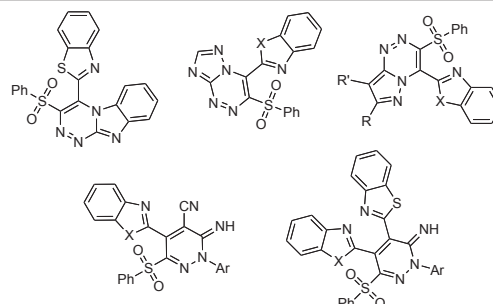
Ze Zhang,* Ya-Jun Tan, Chun-Shan Wang, and Hao-Hao Wu



Pyrazole One-Pot Synthesis Mechanochemistry Solvent-Free Reaction Chalcone

113 Synthesis of Novel Benzimidazole and Benzothiazole Derivatives

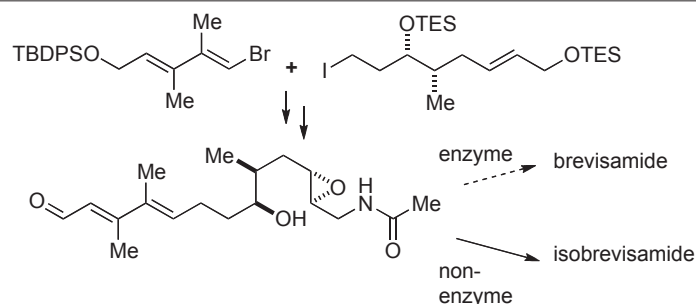
Ahmed F. Darweesh, Ahmed E. M. Mekky, Amani A. Salman, and Ahmad M. Farag*



β -Ketosulfone Pyrazolo[5,1-c][1,2,4]triazine 1,2,4-Triazolo[5,1-c][1,2,4]triazine 1,2,4-Triazino[4,3-a]benzimidazole Benzimidazole

127 Synthesis and Cyclization of a Proposed Biosynthetic Epoxy Intermediate of a Marine Monocyclic Ether Amide, Brevisamide

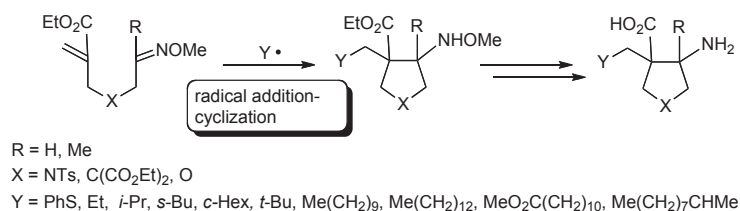
Tomohiro Shirai, Yuki Takimoto, Takefumi Kuranaga, Kazuo Tachibana, Masayuki Satake,* Daniel G. Baden, and Jeffrey L. C. Wright



Marine Cyclic Ether Epoxide-Opening Cyclization Suzuki-Miyaura Cross Coupling Katsuki-Sharpless Asymmetric Epoxidation

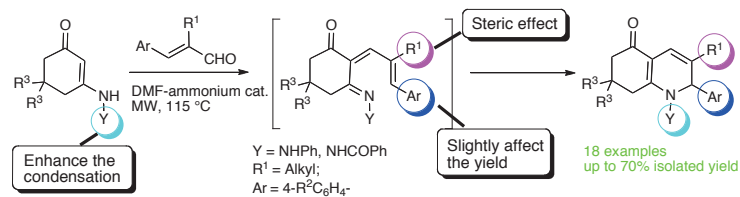
143 Preparation of Cyclic β -Amino Acid Derivatives with Quaternary Carbon Center via a Radical Addition-Cyclization Sequence

Norihiko Takeda, Masafumi Ueda, Seiko Kajisa, Kenji Matsuno, Takeaki Naito, and Okiko Miyata*


 Radical Cyclization Oxime Ether Cyclic β -Amino Acid Quaternary Carbon Center Triethylborane

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171 Microwave-Irradiated Synthesis of 1,2-Dihydropyridines from *N*-Functionalized Enaminones and Enals through Domino Condensation and 6 π -Azaelectrocyclization

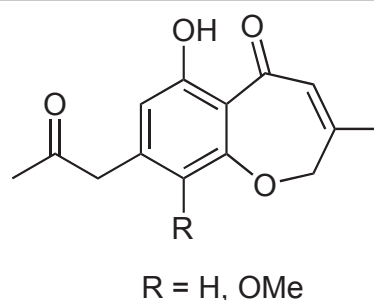
Elkhabiry Shaban, Md. Imran Hossain, Ming-Yu Wu, Yoshihiko Takemasa, Sachie Nagae, Wei Peng, Hiroyuki Kawafuchi, and Tsutomu Inokuchi*



MW-Irradiation Phenylhydrazinylamine Dihydropyridine Electrocyclic Reaction Knoevenagel Condensation

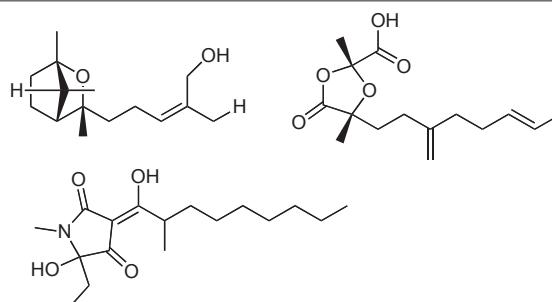
183 Chromone Derivatives from the Leaves of *Nicotiana tabacum* and Their Anti-Tobacco Mosaic Virus Activities

Guangyu Yang, Wei Zhao, Tao Zhang, Yuanxing Duan, Zhihua Liu, Mingming Miao, and Yongkuan Chen*


Nicotiana tabacum Chromone Cytotoxicity Anti-Tobacco Mosaic Virus Activity

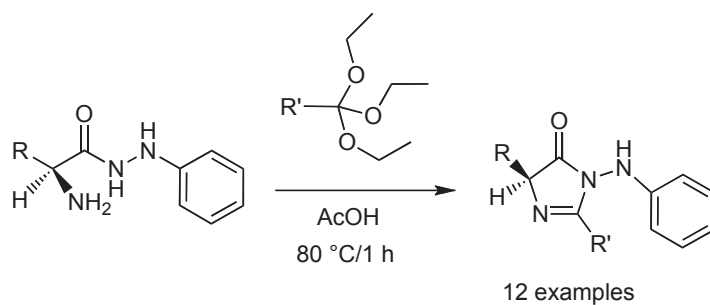
189 Novel Cytotoxic Metabolites from the Marine-Derived Fungus *Trichoderma citrinoviride*

Xiao Hu, Mei-Wei Gong, Wei-Wei Zhang, Qiu-Hong Zheng, Qin-Ying Liu, Li Chen,* and Qi-Qing Zhang*


 Marine-Derived Fungus *Trichoderma citrinoviride* Cytotoxicity Metabolite

197 Solvent-Free Synthesis of New Chiral 3-Phenylamino-3,5-dihydro-4*H*-imidazol-4-one Derivatives from α -Amino Acid Phenylhydrazides

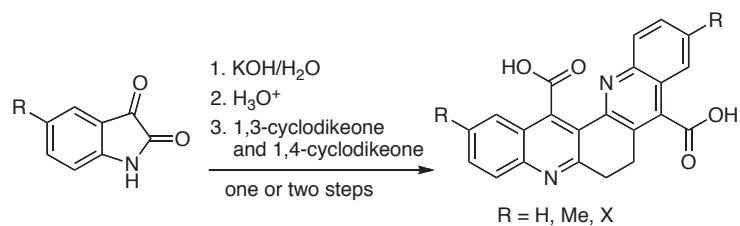
Yakdhane Kacem and Béchir Ben Hassine*



Cyclocondensation Imidazol-5(4*H*)-one Solvent-Free Reaction

209 Synthesis of 6,7-Dihydrodibenzo[*b,f*]phenanthroline Derivatives by Pfitzinger Condensation of Isatin and Cyclic Diketones

Lizhen Fang,* Jinshuo Ma, Chenjuan Lu, Huanhuan Li, and Xiaoli Yang



6,7-Dihydrodibenzo[*b,f*]phenanthroline Pfitzinger Condensation Isatin 1,3-Cyclohexanedione 1,4-Cyclohexanedione

■ NEW HETEROCYCLIC NATURAL PRODUCTS

- 217 Polyketides
- 219 Aromatics
- 239 Terpenes
- 252 Steroids
- 253 Alkaloids
- 263 Miscellaneous

TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 265 Polyketides
 - 268 Aromatics
 - 270 Terpenes
 - 271 Alkaloids
 - 279 Miscellaneous
-

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