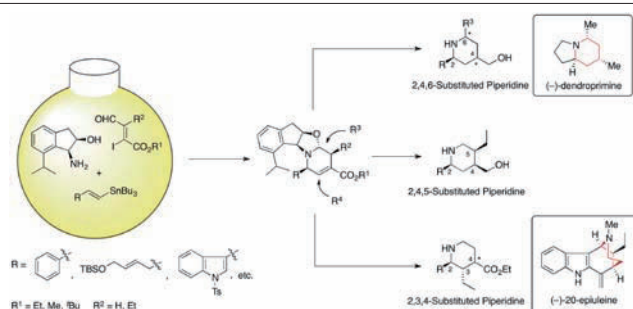


REVIEWS

729 **One-Pot Asymmetric 6π-Azaelectrocyclization as a New Strategy for Alkaloid Synthesis**

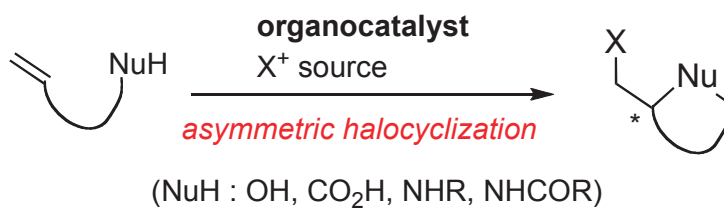
Toyoharu Kobayashi, Taku Sakaguchi, and Shigeo Katsumura*



One-Pot Reaction Asymmetric 6π-Azaelectrocyclization Chiral Substituted Piperidine (-)-Dendroprimine (-)-20-Epiuleine

763 **Recent Progress in Organocatalytic Asymmetric Halocyclization**

Kenichi Murai and Hiromichi Fujioka*

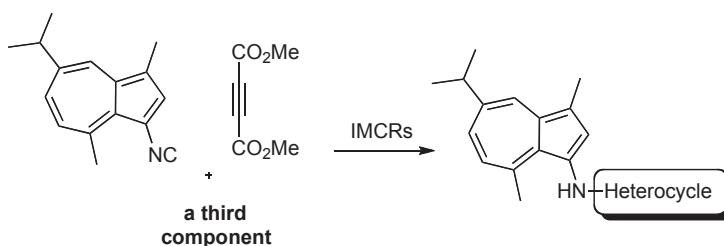


Asymmetric Halocyclization Organocatalyst Enantioselective Halolactonization γ-Lactone δ-Lactone

COMMUNICATION

807 **Facile Synthesis of Guaiazulene-Heterocycle Hybrids via Multicomponent Reactions Involving Formation of Zwitterionic Intermediates**

Koichi Sato,* Erina Yokoo, and Naoko Takenaga

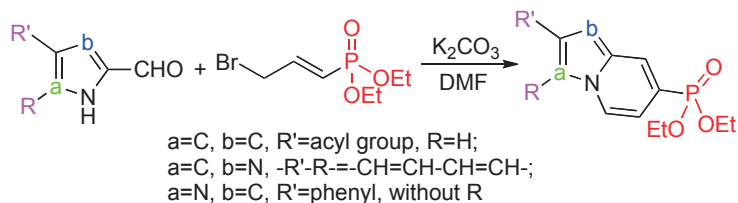


Guaiazulene Multicomponent Reaction Isocyanide Dimethyl Acetylenedicarboxylate Zwitterionic Intermediate

■ PAPER

815 Synthesis of Nitrogen Bridgehead Heterocycles with Phosphonates via a Novel Tandem Process

Ya-Fei Xie, Yan-Qing Ge, Lei Feng, Hua-Qiang Xu, Song Meng, Gui-Long Zhao, Wei-Ren Xu, Jiong Jia,* and Jian-Wu Wang*

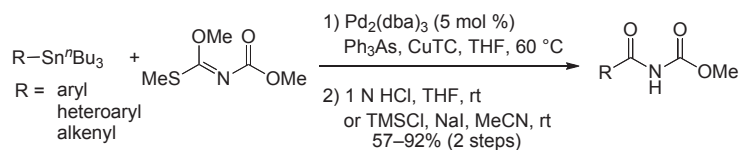


Indolizine Pyrido[1,2-*a*]benzimidazole Pyrazolo[1,5-*a*]pyridine Arylphosphonate

■ SHORT PAPERS

827 Preparation of Imides via the Palladium-Catalyzed Coupling Reaction of Organostannanes with Methyl *N*-[Methoxy(methylthio)methylene]carbamate

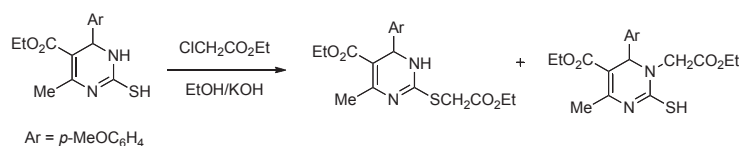
Kohei Orimoto, Takuhei Tomizawa, Yuki Namera, Harufumi Oyama, Takashi Niwa, and Masahisa Nakada*



Imide Palladium Coupling Reaction Organostannane Liebeskind-Srogl Reaction

841 Synthesis and Biological Evaluation of Some New Pyrimidine Derivatives

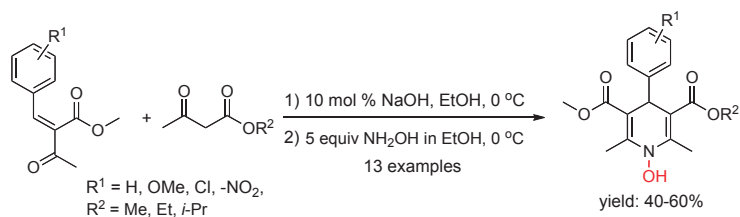
Kamelia M. El-mahdy and Azza M. El-Kazak*



Hydrazinolysis Pyrimido[2,1-*d*][1,2,4]triazine Vilsmeier Reagent Pyrazolecarbaldehyde Thiazolidinylpyrimidine

853 A Mild and Convenient One-Pot Synthesis of 4-Aryl-*N*-OH-Hantzsch Esters

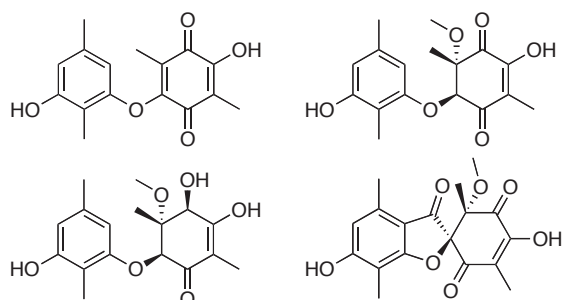
Chun-Bao Miao,* Chun-Ping Dong, Yan-Hong Wang, Hai-Tao Yang, Qi Meng, Shu-Jiang Tu, and Xiao-Qiang Sun*



1,4-Dihydropyridine Michael Addition One-Pot Reaction Hydroxylamine *N*-OH-Hantzsch Ester

861 Aculeatusquinones A-D, Novel Metabolites from the Marine-Derived Fungus *Aspergillus aculeatus*

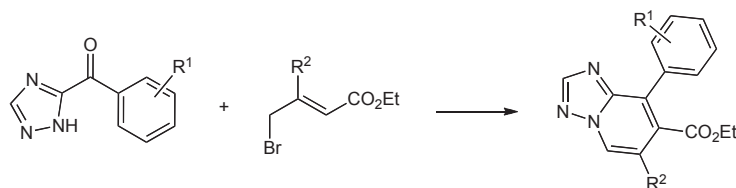
Li Chen,* Wei-Wei Zhang, Qiu-Hong Zheng, Qin-Ying Liu, Ping Zhong, Xiao Hu, Zhe-Xiang Fang, and Qi-Qing Zhang*



Marine-Derived Fungus *Aspergillus aculeatus* Cytotoxicity Aculeatusquinone Biosynthesis

869 A New Method for the Synthesis of [1,2,4]Triazolo-[1,5-*a*]pyridine Derivatives

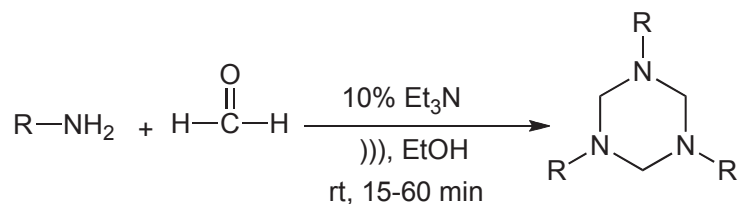
Wei-Ming Zhao, Yan-Qing Ge,* Wei-Ren Xu, Gui-Long Zhao, Jiong Jia, and Jian-Wu Wang*



[1,2,4]Triazolo[1,5-*a*]pyridine Tandem Reaction [1,2,4]Triazole

877 A Facile and Efficient Ultrasound-Assisted Synthesis of 1,3,5-Tris-arylhexahydro-1,3,5-triazine through Mannich Reaction

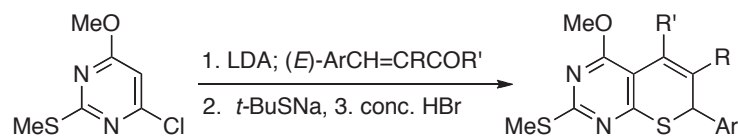
Xiaoxing Zhong and Guolan Dou*



1,3,5-Tris-arylhexahydro-1,3,5-triazine Catalytic Amount of Et₃N Ultrasound Assisted Synthesis

885 Synthesis of 7*H*-Thiopyrano[2,3-*d*]pyrimidines by Hydrobromic Acid-Mediated Cyclization of 1-[4-(1,1-Dimethylethylsulfanyl)pyrimidin-5-yl]prop-2-en-1-ols

Kazuhiro Kobayashi,* Teruhiko Suzuki, Ayumi Imaoka, Hidetaka Hiyoshi, and Kazuto Umezumi

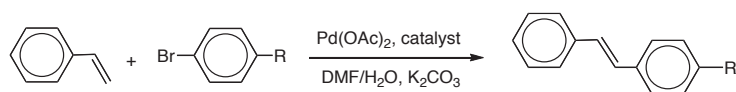


Ar = Ph, substituted Ph; R = H, Me; R' = H, Ph substituted Ph

7*H*-Thiopyrano[2,3-*d*]pyrimidines Hydrobromic Acid 4,6-Dichloro-2-(methylsulfanyl)pyrimidine Cinnamaldehyde Chalcone

897 Synthesis of 1,3-Dialkylperhydrobenzimidazolium Salts and Their Catalytic Properties in Heck Reactions

Murat Yiğit,* Gülin Bayam, Beyhan Yiğit, and İsmail Özdemir



Heck Reaction Imidazolium Salt *N*-Heterocyclic Carbene Palladium Catalyst

NEW HETEROCYCLIC NATURAL PRODUCTS

- 909 Polyketides
 - 913 Aromatics
 - 924 Terpenes
 - 934 Steroids
 - 935 Alkaloids
 - 941 Miscellaneous
-

TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 943 Polyketides
 - 947 Aromatics
 - 951 Terpenes
 - 954 Alkaloids
 - 963 Miscellaneous
-

■ ADDITIONS AND CORRECTIONS

- 965 **First Total Syntheses of 1,3-Disubstituted β -Carboline Alkaloids, Dichotomide I and Marinacarboline A-D:**

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Shinji Tagawa, Tominari Choshi,* Asuka Okamoto,
Takashi Nishiyama, Shiroh Watanabe, Noriyuki Hatae,
and Satoshi Hibino*

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