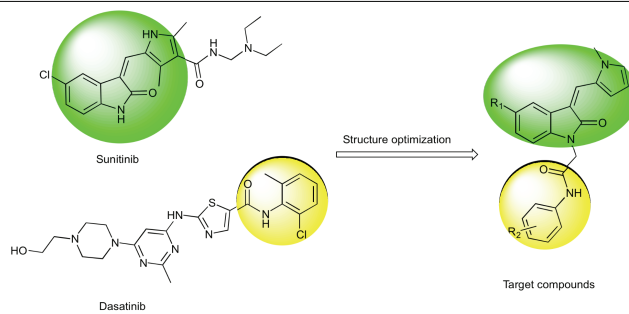


■ PAPERS

1031 Synthesis and Biological Evaluation of 3-((1-Methyl-1H-pyrrol-2-yl)methylene)indolin-2-one Derivatives as Potent Anticancer Active Agents

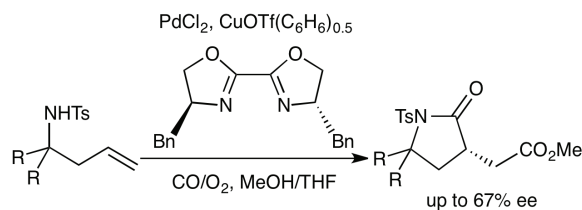
Jie Chen, Wei-nan Hu, Yang Xu, Wen Li, Ya-yun Qi, Yi-hong Fu, Jia-min Liu, Zhen-chao Wang,* and Gui-ping Ouyang*



Indolone Antitumor Activity Structure-Activity Relationship

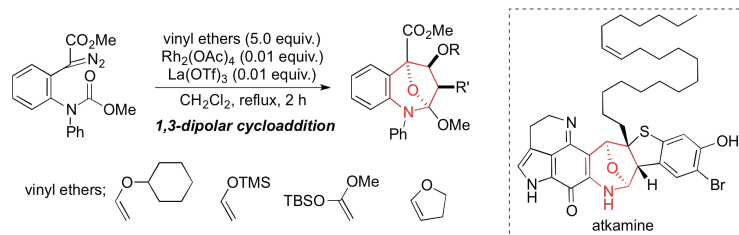
1044 Synthesis of Optically Active γ -Lactams by Palladium Catalyzed Asymmetric Dicarbonylation Reaction of *N*-Arylsulfonyl Homoallylic Amines

Ryosuke Takahashi, Nga Hang Thi Phan, Takuya Suga, Takahiro Soeta, and Yutaka Ukaji*


 γ -Lactam Asymmetric Reaction Dicarbonylation Reaction Palladium Catalyst Bioxazoline Ligand

1055 Synthesis of 8-Oxa-2-azabicyclo[3.2.1]octane Using a 1,3-Dipolar Cycloaddition Reaction

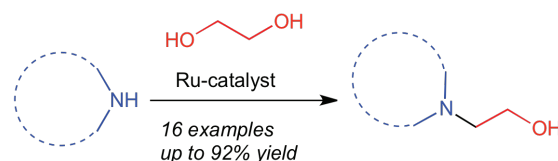
Kazuhiro Higuchi,* Yoshiki Matsubayashi, Takuma Sakurai, Motoki Ito, and Shigeo Sugiyama



1,3-Dipolar Cycloaddition Carbonyl Ylide Atkamin 8-Oxa-2-azabicyclo[3.2.1]octane

1074 Ruthenium-Catalyzed Hydroxyethylation of Cyclic Amines with Ethylene Glycol

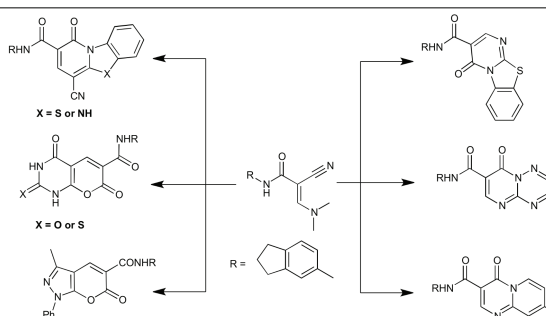
Yushi Nakamura, Shuhei Tomioka, Yohei Oe,* and Tetsuo Ohta



Hydroxyethylation Cyclic Amine Borrowing Hydrogen

1089 Synthesis and Antioxidant Activities of Some Novel Indane-Amide Substituted Pyrazole, Pyrimidine, Pyridine and 2-Pyrone Derivatives

Khaled S. Mohamed* and Elsherbin H. El-Sayed

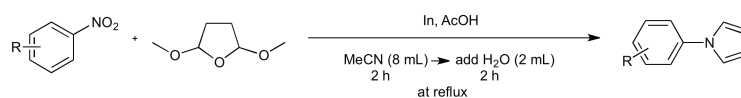


Indane Pyrimidine Benzothiazole Antioxidant

■ SHORT PAPERS

1105 Synthesis of *N*-Substituted Pyrrole Derivatives via Iridium-Assisted One-Pot Reduction/*N*-Annulation Sequence Reaction

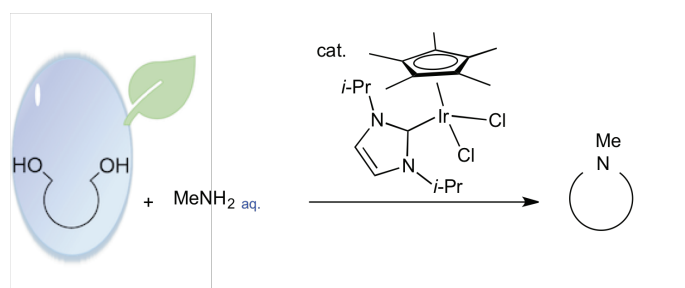
Eungyung Kim, Mingyeong Jeong, Hyejeong Lee,* and Byeong Hyo Kim*



Iridium-Mediated Reaction Pyrrole Synthesis Heterocyclization

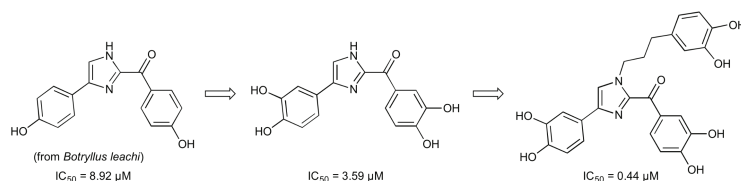
1119 Environmentally Friendly Synthesis of *N*-Methylated Nitrogen Heterocycles from an Aqueous Solution of Methylamine and Diols

Akane Enomoto, Takuya Shimbayashi, and Ken-ichi Fujita*


N-Methylated Nitrogen Heterocycle Methylamine *N*-Heterocyclic Carbene Ligand Iridium Catalyst Hydrogen Transfer Reaction

1130 Synthesis and the First Structure–Activity Relationship Study of Imidazole Alkaloid from Red Ascidian as Aldose Reductase Inhibitors

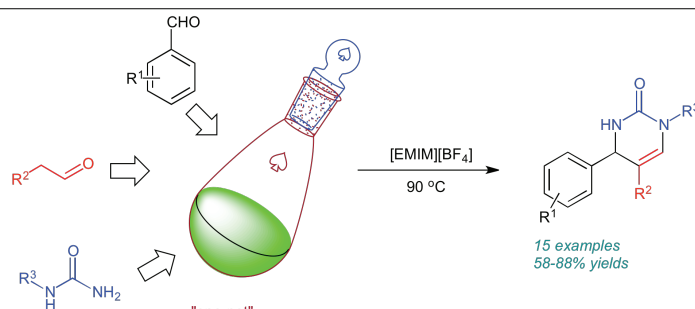
Kenta Morikawa, Sota Uno, Shoko Higashi, Masaru Goto, and Ryota Saito*



Imidazole Aldose Reductase Inhibitor Structure-Activity Relationship

1142 An Ionic Liquid-Based Green Synthesis Strategy: Synthesis of Dihydropyrimidinones by Three-Component Biginelli-Type Reaction of Aliphatic Aldehydes, Aromatic Aldehydes and Urea

Lei-Han Fu, Zong-Bo Xie,* Guo-Qing Chen, Jin Lan, Zhi-Yu Hu, and Zhang-Gao Le*


 Ionic Liquid Three-Component Reaction 3,4-Dihydropyrimidin-2-(1*H*)-one Aliphatic Aldehyde Aromatic Aldehyde

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 1155 Polyketides
 - 1157 Aromatics
 - 1158 Terpenes
 - 1160 Alkaloids
 - 1168 Miscellaneous
-

■ BRUSH UP YOUR HETEROCYCLES

- 1169 Brush Up Your Heterocycles
-

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