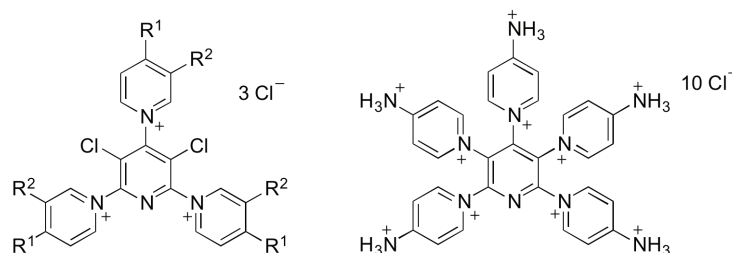


■ REVIEW

821 Heterocycle Polycations – Syntheses and Reactions of (Oligo)pyridinium and (Oligo)imidazolium Salts

Jessica Hiller, Ming Liu, and Andreas Schmidt*

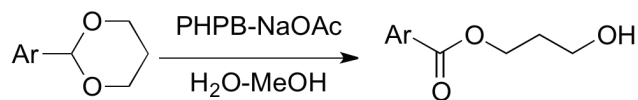


Pyridinium Salt Imidazolium Salt Peronio Substitution Mesomeric Betaine N-Heterocyclic Carbene

■ COMMUNICATION

859 Direct Conversion of Aromatic 1,3-Dioxanes to Hydroxypropyl Esters with Pyridinium Hydrobromide Perbromide and Sodium Acetate in Water

Shinsei Sayama*



Ar= aryl

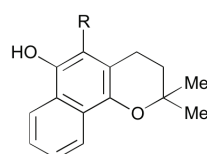
PHPB: pyridinium hydrobromide perbromide

Dioxane Hydroxypropyl Ester Pyridinium Hydrobromide Perbromide Sodium Acetate Water

■ PAPERS

 865 Synthesis and Radical Scavenging Activity of Substituted Benzo[*h*]chromanols

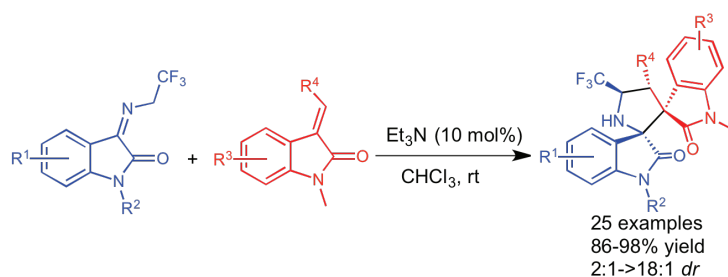
Yuta Okayama, Masanori Harada, Mine Morita, Masataka Mochizuki, and Keiko Inami*


 The order of *k*;

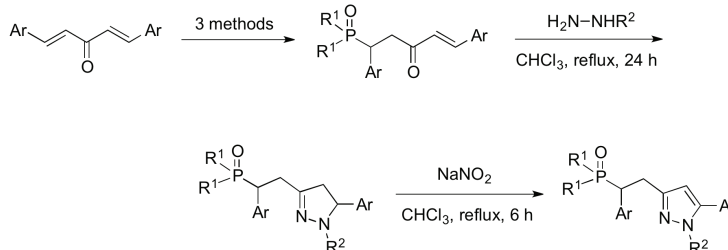
 R; NH₂ > Me > Cl = Br > NO₂-substituted 6-benzochromanol

Benzochromanol Radical Scavenging Activity Tocopherol Substituent Effect Chromanol

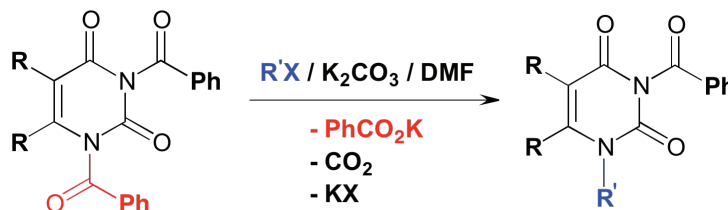
879 Highly Efficient Construction of CF₃-Containing 3,3'-Pyrrolidinyl-dispirooxindoles via Base-Catalyzed Diastereoselective [3+2] Annulation

 Wei-Jie Huang, Qing Chen, Wen-Run Zhu, Ning Lin,*
 Xian-Wen Long, Wei-Gao Pan, Jiang Weng,* and
 Gui Lu


Spiro Compound Indole Trifluoromethyl Group

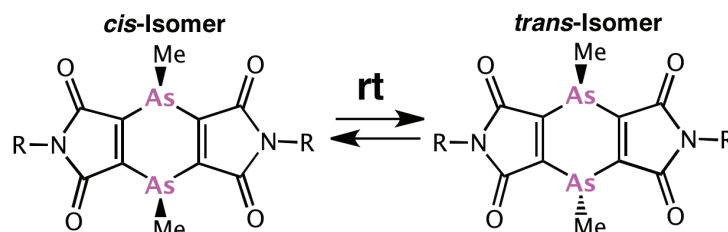
894 Synthesis of γ -Keto- δ -alkenyl-phosphonates and phosphine Oxides as Precursors of Novel Phosphono-pyrazoline and pyrazole Derivatives
 Imen Lamouchi and Soufiane Touil*

 Phosphonopyrazoline Phosphonopyrazole Oxidative Dehydrogenation γ -Keto- δ -alkenylphosphonate Sodium Nitrite

912 Selective N¹-Alkylation of 1,3-Dibenzoyluracils: One-Pot Way to N¹-Monosubstituted Uracil Derivatives

 Alexander Ozerov,* Mikhail Novikov,
 Anastasiya Khandazhinskaya, and Pavel Solyev


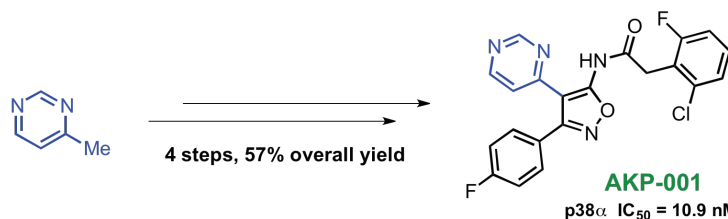
1,3-Dibenzoyluracil 6-Methyluracil Selective Alkylation

923 Stereoisomerization of 1,4-Dihydroarsinine-tetracarboxylic Acid Diimides under Non-Acidic Condition from *cis*- to *trans*-Forms

 Kensuke Naka,* Takuji Kato, Koushi Abe,
 Makoto Ishidoshiro, Shintaro Nishiyama,
 Susumu Tanaka, Hiroaki Imoto, Seiji Watase,
 Kimihiro Matsukawa, Hiroyuki Fueno,
 and Kazuyoshi Tanaka


Organoarsenic Compound 1,4-Dihydro-1,4-diaresinine Stereoisomerization DFT Calculation

938 An Efficient and Practical Method for the Synthesis of the 5-Acylamino-4-(4-pyrimidinyl)isoxazole Derivative AKP-001, a Potent P38 MAP Kinase Inhibitor

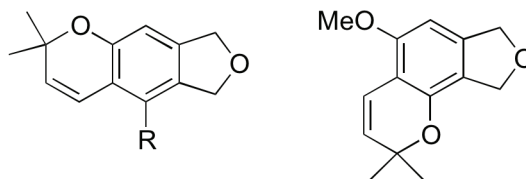
 Shuji Ohta,* Takahisa Saito, Jun-ya Kato, Shuichiro Sato,
 Hiroyuki Hayashi, and Koichi Hasumi


p38 MAP Kinase Inhibitor Atom Efficient Synthesis Industrial Scale Synthesis IBD

■ SHORT PAPERS

949 Three New Isobenzofurans from the Stems of Oriental Tobacco and Their Bioactivities

Pei He, Shi-Yun Tang, Zhen-Jie Li, Chun-Bo Liu, Qinpeng Shen, Dang-Yu Tang, Feng-Mei Zhang, Zhi-Hua Liu, Yong-Kuan Chen, Jia-Qiang Wang, Neng-Jun Xiang,* and Zhang-Jie Huang*

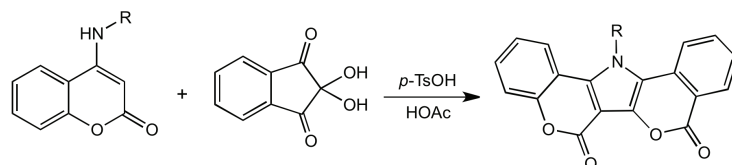


R = H; OMe

Isobenzofuran Anti-Tobacco Mosaic Virus (TMV) Activity Cytotoxicity Activity

957 A Facile Synthesis of Isocoumarino[3',4':4,5]-pyrrolo[3,2-c]coumarins from 4-Aminocoumarins and Ninhydrin

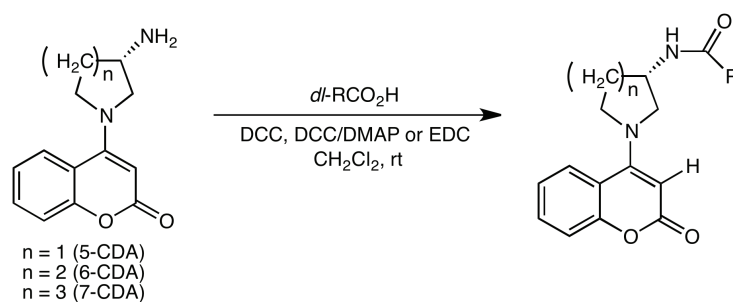
Ting Zhou, Dao-Lin Wang,* Guang-Yu Pan, and Jian-Hua Qian



Coumarin Isocoumarin 4-Aminocoumarin Ninhydrin Isocoumarino[3',4':4,5]pyrrolo[3,2-c]coumarin

964 Novel Chiral Derivatizing Agents for ¹H NMR Determination of Enantiomeric Purities of Carboxylic Acids

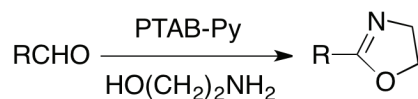
Koji Wada,* Mizuko Goto, Hiroshi Yamashita, and Kazuo Nagasawa



Chiral Derivatizing Agent (S)-4-(3-Aminopyrrolidin-1-yl)coumarin (S)-4-(3-Aminopiperidin-1-yl)coumarin (S)-4-(3-Aminoazepan-1-yl)coumarin

979 Synthesis of Heterocyclic 1,3-Oxazolines from Aldehydes with Trimethylphenylammonium Tribromide

Shinsei Sayama*



R = heterocycle
PTAB: trimethylphenylammonium tribromide or phenyltrimethylammonium tribromide

Heterocyclic Aldehyde 2-Aminoalcohol Ammonium Tribromide Pyridine 1,3-Oxazoline

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 991 Polyketides
 - 994 Aromatics
 - 997 Terpenes
 - 998 Alkaloids
 - 1008 Miscellaneous
-

■ BRUSH UP YOUR HETEROCYCLES

- 1011 Brush Up Your Heterocycles
-

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