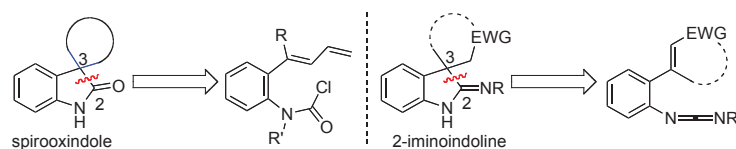


■ REVIEW

 2271 **Synthetic Approaches to Spiro-oxindoles and Iminoindolines Based on Formation of C2–C3 Bond**

Chihiro Tsukano and Yoshiji Takemoto*

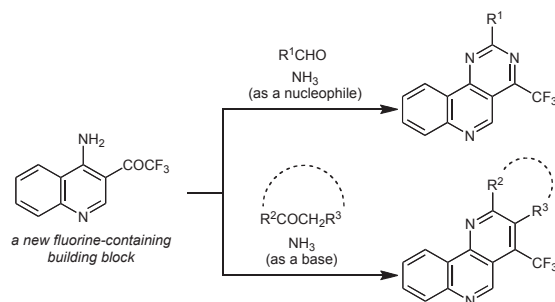


Spirooxindole Iminoindoline Palladium Catalyst Samarium Diiodide Cyclization

■ PAPERS

 2303 **Efficient Syntheses of Fluorine-Containing Pyrimido[5,4-*c*]quinolines and Benzo[*h*][1,6]naphthyridines by Condensation Reactions of 3-Trifluoro-acetylquinolin-4-amine with Aldehydes and Ketones**

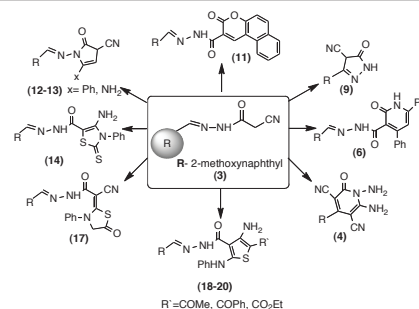
Etsuji Okada,* Mizuki Hatakenaka, Shiro Nakano, Takushi Sakaemura, Takashi Mori, and Terukazu Terauchi



Quinoline Pyrimidoquinolin Benzonaphthyridin Fluorine-Containing Heterocycle Cyclocondensation

 2318 **Synthesis and Antimicrobial Evaluation of Some New Dihydropyridine, Pyrazole, Chromene, Pyrrole, Thiazole and Thiophene Derivatives**

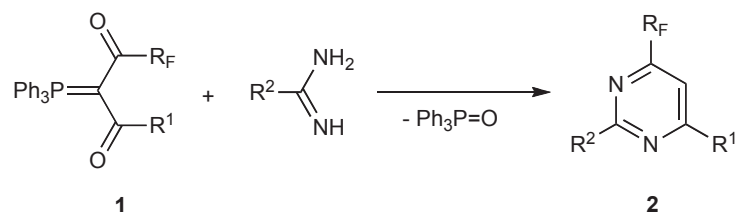
Ahmed A. Fadda,* Hala M. Refat, Khaled S. Mohamed, and Nada A. H. Mohamed



Hydrazone-Hydrazone 2-Methoxy-1-naphthaldehyde Antimicrobial Activity

 2334 **Fluorinated β -Diketo Phosphorus Ylides: Their Cyclocondensation with Amidines Affording 4-Trifluoromethyl- and 4-Perfluoroalkyl-Substituted Pyrimidines**

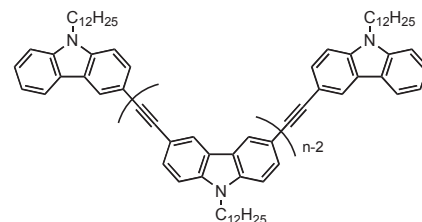
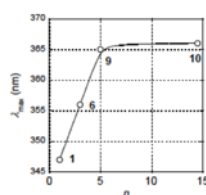
Ryosuke Saijo, Genki Watanabe, Ken-ichi Kurihara, and Masami Kawase*



Trifluoromethylpyrimidine Phosphorus Ylide Amidine

2346 Stepwise Syntheses of 3,6-Carbazole-Based Conjugated Oligomers

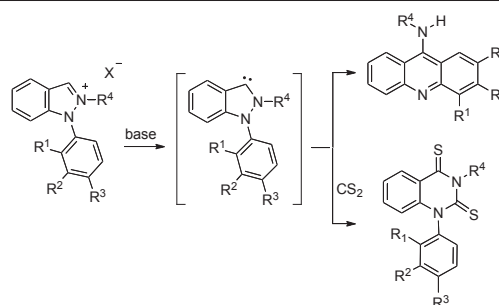
Hiroyuki Fujita and Tsuyoshi Michinobu*



Carbazole Cross-Coupling Reaction Effective Conjugation Length Structure-Property Relationship

2356 Syntheses of Acridines and Quinazoline-2,4(1*H*,3*H*)-dithiones by Rearrangements of N-Heterocyclic Carbenes of Indazole

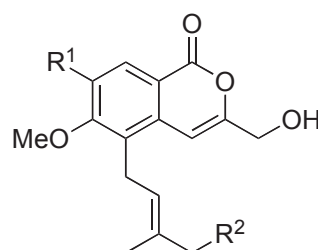
Zong Guan, Mimoza Gjokaj, and Andreas Schmidt*



N-heterocyclic Carbene Rearrangement Heterocycle Synthesis Carbon Disulfide Indazol-3-ylidene

SHORT PAPERS
2369 Isocoumarins from the Bark of *Lindera Caudata*

Yan-qing Ye, Cong-Fang Xia, Juan-Xia Yang, Yu-Chun Yang, Xue-Mei Gao, Gang Du, Hai-Ying Yang, Yin-Ke Li, and Qiu-Fen Hu*

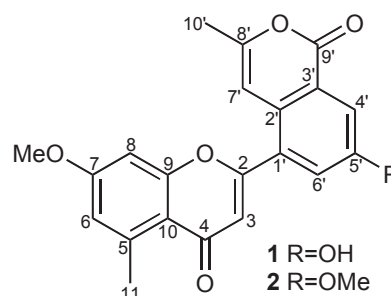


- 1** R¹ = OH, R² = H
2 R¹ = OH, R² = OH
3 R¹ = H, R² = OH

Lindera caudata Isocoumarin Anti-Tobacco Mosaic Virus Activity

2375 Cytotoxicity Flavones from *Desmodium oxyphyllum*

Xue-Mei Gao, Huang Wang, Yin-Ke Li, Bing-Kun Ji, Cong-Fang Xia, Juan-Xia Yang, Ming Zhou, Yan-Qing Ye, and Qiu-Fen Hu*

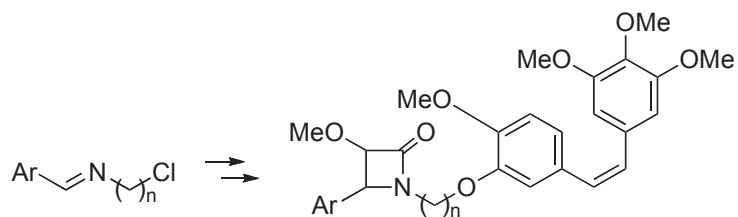


- 1** R=OH
2 R=OMe

Desmodium oxyphyllum Flavone Cytotoxicity

2380 Synthesis of Novel β -Lactam Hybrids of Phenstatin and Other Substituted Aromatics as New Bioactives

David P. Brown,* Haoran Zhao, Julkernine M. Khondoker,
Jatin R. Bhavsar, and Cecil C. Sigamoney



Hybrid Conjugate Beta-Lactam 2-Azitinone Phenstatin

■ NEW HETEROCYCLIC NATURAL PRODUCTS

- 2393 Polyketides
- 2395 Aromatics
- 2406 Terpenes
- 2421 Steroids
- 2422 Alkaloids
- 2437 Miscellaneous

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 2439 Polyketides
- 2443 Aromatics
- 2447 Terpenes
- 2450 Alkaloids
- 2457 Miscellaneous

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