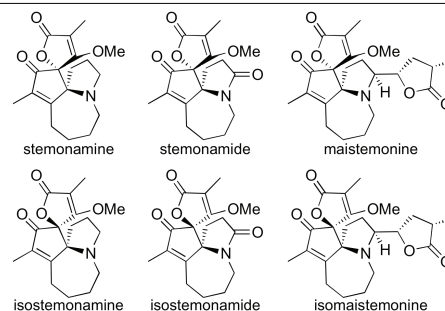
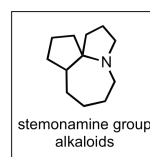


■ REVIEW

349 Synthesis, Stereochemical Stability, and Biological Activity of Stemonamine and Its Related *Stemona* Alkaloids

Takayuki Iwata and Mitsuru Shindo*

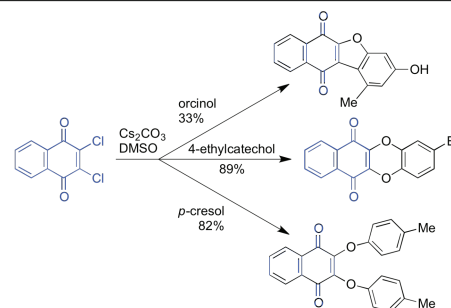


Stemona Alkaloid Total Synthesis Stemonamine Stereochemical Stability Ynolate

■ COMMUNICATION

379 Substitution of a Haloquinone by Phenols under Pyridine-Free Conditions: Synthetic, Mechanistic, and Solid-State Considerations Involving 2,3-Dichloro-1,4-naphthoquinone

Nolan J. Blythe, Kristin M. Hutchins, Joshua R. Carpenter, Taylor W. Cox, Andrew M. Johnson, Leonard R. MacGillivray, and Jay Wm. Wackerly*

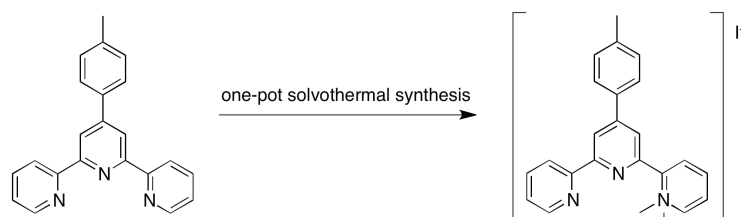


Quinone Haloquinone Substitution Mechanism Chemoselectivity Furan Macrocycle

■ PAPERS

387 One-Pot Solvothermal Synthesis and X-Ray Structure of a Methylated Terpyridine Derivative as DNA Binder and Anticancer Agent

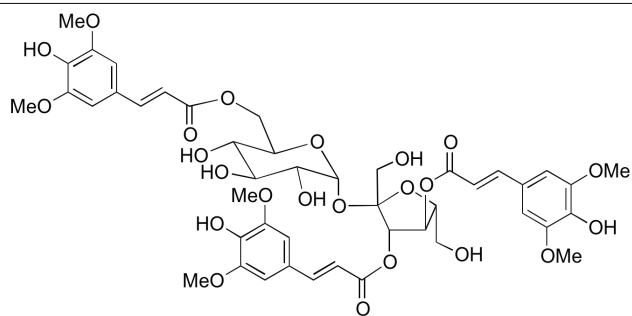
Yihui Jiang, Keke Chai, Yi Sun, Qiwen Pang, Xiaoli Liu, Min Shi, Jing Wang, Jie Wei, Da Liu, and Jintao Wang*



Solvothermal Method Terpyridine Methylation DNA Binder Antitumor Agent

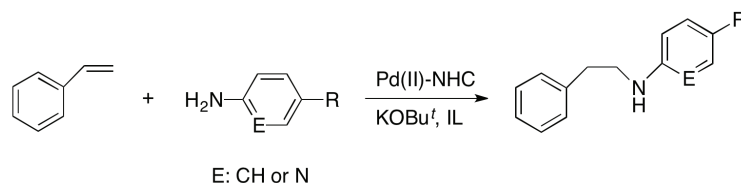
395 Biological Activity of Sinapic Acid Derivatives Isolated from *Raphanus sativus*

Takaya Ishida, Aki Hasebe, Xingyun Zhao, and Hideyuki Shigemori*


 Sinapic Acid Derivative *Raphanus sativus* Sprout Bioactivity

403 Palladium/Benzimidazolium Salt Catalyst Systems and N-Heterocyclic Carbene-Palladium(II)-Pyridine (PEPPSI) Complexes for Anti-Markovnikov Hydroaminations of Styrene in Ionic Liquid

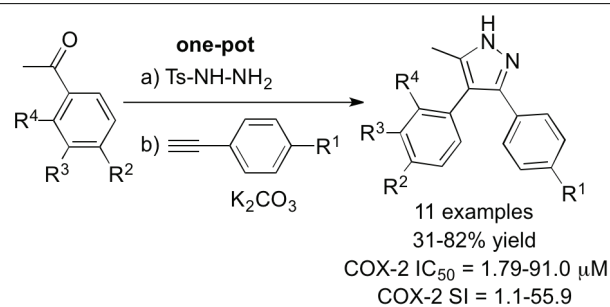
Yetkin Gök, Beyhan Yiğit, Özlem Özeroğlu Çelikal, and Murat Yiğit*



N-Heterocyclic Carbene Palladium-PEPPSI Complex Hydroamination Alkylated Amine Benzimidazole

416 One-Pot Cascade Synthesis of Pyrazole Based Isosteres of Valdecoxib by a [3+2] Cycloaddition Sequence and Evaluation of Their Cox Inhibitory Activity

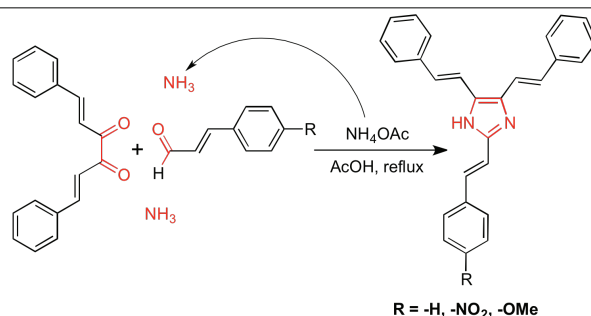
Silvia Roscales,* Nicole Bechmann, Jens Pietzsch, and Torsten Kniess*



Pyrazole COX Inhibition Cycloaddition Sigmatropic Rearrangement Tosylhydrazone

SHORT PAPERS
429 Synthesis and Optical Studies of 2,4,5-Tri[2-(aryl)-ethenyl]-1H-imidazoles

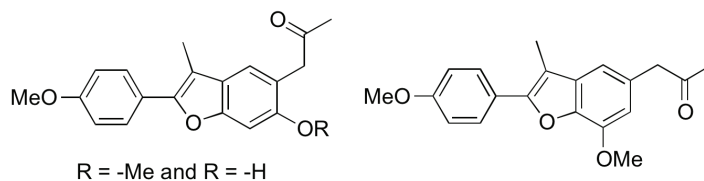
Rabia Babar and Munawar Ali Munawar*



Styrylimidazole Absorption and Emission Properties Stokes' Shift

437 Three New Arylbenzofuran Lignans from *Arctium lappa* and Their Anti-Tobacco Mosaic Virus Activity

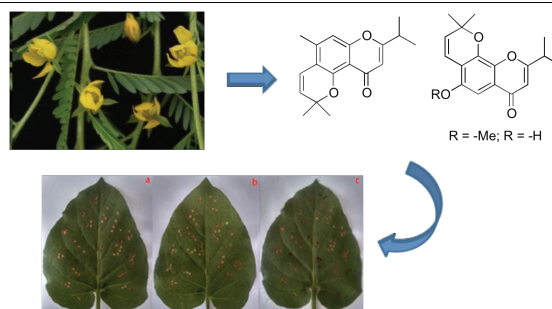
Wan-Li Zeng, Meng-Jie Liang, Shan-Shan Hu, Qian Gao, Chun-Man Song, Hai-Tao Huang, Yong Xu, Hai-Ying Xiang, Liang Deng, Guang-Yu Yang, Yin-Ke Li, Ya-Dong Guo,* and Qi-Li Mi*



Arylbenzofuran Lignan *Arctium lappa* Anti-Tobacco Mosaic Virus (Anti-TMV) Activity

444 Three New Anti-Tobacco Mosaic Virus Prenyl Chromone Derivatives from *Cassia nomame*

Yong Xu, Qi-Li Mi, Yin-Ke Li, Wan-Li Zeng, Qian Gao, Chun-Man Song, Hai-Tao Huang, Hai-Ying Xiang, Xue-Mei Li, Guang-Yu Yang, Qiu-Fen Hu,* and Jin Wang*



Prenyl Chromone *Cassia nomame* Anti-Tobacco Mosaic Virus Activity

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 451 Polyketides
- 454 Aromatics
- 457 Terpenes
- 460 Steroids
- 461 Alkaloids
- 467 Miscellaneous

■ BRUSH UP YOUR HETEROCYCLES

469 Brush Up Your Heterocycles

Contributors To This Issue

- 429 Babar, Rabia
 416 Bechmann, Nicole
 379 Blythe, Nolan J.
 379 Carpenter, Joshua R.
 403 Çelikal, Özlem Özeroğlu
 387 Chai, Keke
 379 Cox, Taylor W.
 437 Deng, Liang
 437, 444 Gao, Qian
 403 Gök, Yetkin
 437 Guo, Ya-Dong
 395 Hasebe, Aki
 444 Hu, Qiu-Fen
 437 Hu, Shan-Shan
 437, 444 Huang, Hai-Tao
 379 Hutchins, Kristin M.
 395 Ishida, Takaya
 349 Iwata, Takayuki
 387 Jiang, Yihui
 379 Johnson, Andrew M.
 416 Kniess, Torsten
 444 Li, Xue-Mei
 437, 444 Li, Yin-Ke
 437 Liang, Meng-Jie
 387 Liu, Da
 387 Liu, Xiaoli
 379 MacGillvray, Leonard R.
 437, 444 Mi, Qi-Li
 429 Munawar, Munawar Ali
 387 Pang, Qiwen
 416 Pietzsch, Jens
 416 Roscales, Silvia
 387 Shi, Min
 395 Shigemori, Hideyuki
 349 Shindo, Mitsuru
 437, 444 Song, Chun-Man
 387 Sun, Yi
 379 Wackerly, Jay Wm.
 444 Wang, Jin
 387 Wang, Jing
 387 Wang, Jintao
 387 Wei, Jie
 437, 444 Xiang, Hai-Ying
 437, 444 Xu, Yong
 437, 444 Yang, Guang-Yu
 403 Yiğit, Beyhan
 403 Yiğit, Murat
 437, 444 Zeng, Wan-Li
 395 Zhao, Xingyun