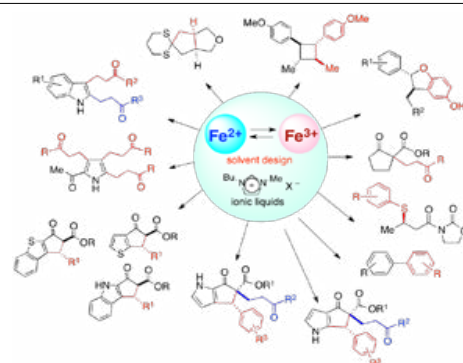


## ■ REVIEW

## 1373 Development of Solvent-Driven Iron-Catalyzed Reactions

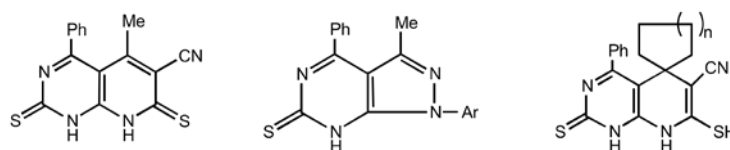
Toshiyuki Itoh\*



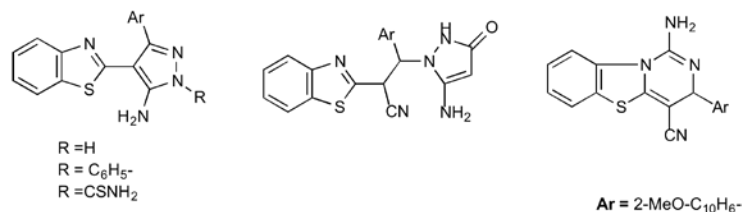
Iron Solvent-Driven Reaction Ionic Liquid Acetonitrile

## ■ PAPERS

## 1397 A Simple and Convenient Synthesis of Isolated Fused Heterocycles Based on: 6-Phenyl-2-thioxo-2,3-dihydropyrimidin-4(5H)-one and 5-Acetyl-6-phenyl-2-thioxo-2,3-dihydropyrimidin-4(5H)-one

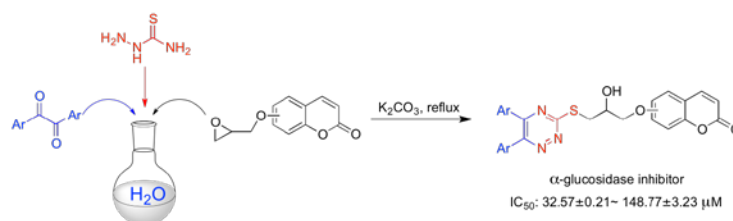
 Mohamed Ahmed Mahmoud Abdel Reheim,\*  
 Ibrahim Saad Abdel Hafiz, and Mohamed Ahmed Elian

 Thioxopyrimidine Pyrazolo[3,4-*d*]pyrimidine Tetrahydropyrido- and 1,2-Dihydrofuro[2,3-*d*]pyrimidines Tetrahydropyrido[2,3-*d*]pyrimidine

## 1415 Synthesis, Characterization and Cytotoxicity Evaluation of Some Novel Pyrazole, Pyrimidine and Isoxazoloe Derivatives Containing Benzothiazole Moiety

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


Benzothiazole Pyrazole Pyrimidine Isoxazole Naphthalene

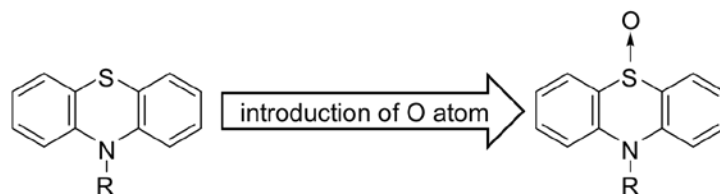
## 1430 One-Pot and Three-Component Synthesis, Characterization and Biological Evaluation of Some New 1,2,4-Triazine-coumarins

 Guang-cheng Wang,\* Jing Wang, Dian-xiong He, Xin Li,  
 Juan Li, and Zhi-yun Peng

 One-Pot Synthesis Aqueous Medium 1,2,4-Triazine Coumarin  $\alpha$ -Glucosidase Inhibitor

## ■ SHORT PAPERS

**1441 Preparation and Electrochemical Behavior of *N*-Substituted Phenothiazine Oxide**

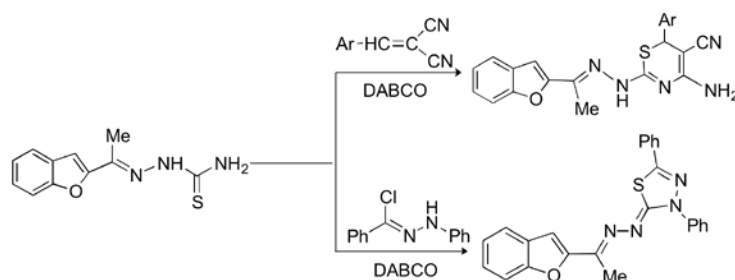
Hideki Hayashi\* and Take-aki Koizumi



Phenothiazine    Phenothiazine S-Oxide    Electrochemical Property    Optical Property

**1450 DABCO-Catalyzed Green Synthesis of Thiazole and 1,3-Thiazine Derivatives Linked to Benzofuran**

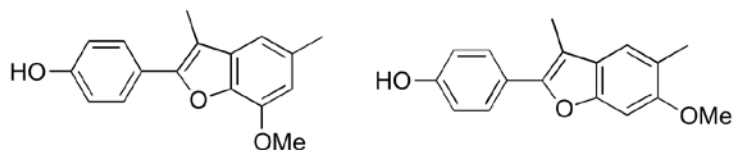
Sobhi M. Gomha, Mohamed G. Badrey, and Wael A. A. Arafa\*



Thiosemicarbazone    1,3-Thiazine    Thiazole    Hydrazonoyl Halide    DABCO

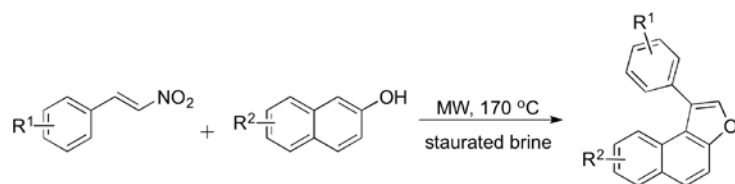
**1462 Two New 2-Arylbenzofurans from the Stems of *Nicotiana tabacum* and Their Bioactivities**

Pei-Song Yang, Wei Zhang, Xiao-Feng Shen, Xin-Lin Wang, Chao Li, Xiao-Wei Gong, Xu-Dong Zheng, Dong-Lai Zhu, and Jia-Qiang Wang\*


 2-Arylbenzofuran    *Nicotiana tabacum*    Anti-TMV Activity    Cytotoxicity

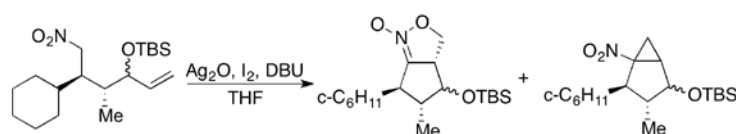
**1468 Catalyst-Free Synthesis of 1-Phenylnaphtho[2,1-*b*]furan Derivatives under Microwave Irradiation**

Baolong Wang, Jinfu Zhang, Jianhong Liao, Yiyuan Peng, and Hua Zheng\*


 Catalyst-Free Synthesis    Microwave Irradiation    Naphtho[2,1-*b*]furan

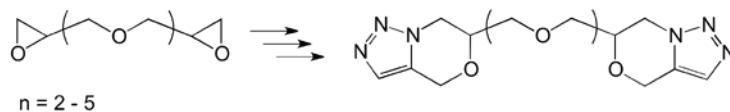
**1479 Oxidative Synthesis of Isoxazoline-*N*-oxide from Optically Active Nitro Alcohols**

Takaaki Moriyama, Takuji Kawamoto, Hidemitsu Uno, and Akio Kamimura\*


 Nitrocyclopropane    Isoxazoline-*N*-oxide

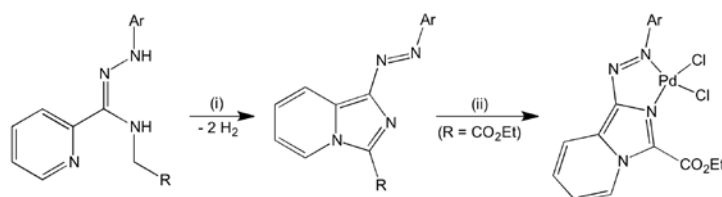
**1490 Intramolecular 1,3-Dipolar Cycloaddition of Diazo-terminal Dialkynes: Synthesis of New Polyoxyethylene Fused *exo*-Bis(1,2,3-triazolo-1,4-oxazines)**

Nejb Hussein Mekni\*



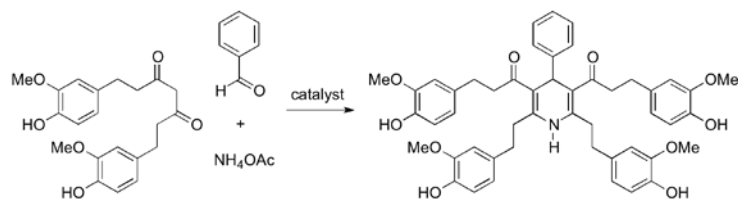
1,2,3-Triazole    Azido-Alkyne    Intramolecular 1,3-Dipolar Cycloaddition    Polyoxyethylene    1,2,3-Triazolo-1,4-oxazine

**1497 A Convenient Synthetic Route for Substituted 1-(Aryldiazenyl)imidazo[1,5-a]Pyridines**

 Mustafa M. El-Abadelah,\* Hamdallah A. Hodali,  
 Monther S. Zreid, Firas F. Awwadi,  
 Mohammed M. Abadleh, and Wolfgang Voelter

 (i) EtOAc, DDQ /  $\Delta$  ; (ii) Pd(PhCN)<sub>2</sub>Cl<sub>2</sub>, CH<sub>2</sub>Cl<sub>2</sub> / reflux; (R = CO<sub>2</sub>Et / 2-pyridyl; Ar = 4-nitrophenyl)

Azo-Ligand    DDQ    Oxidative Heterocyclization    Pd-Complex    X-Ray Structure

**1512 Natural Tetrahydrocurcumin in Multi-Component Synthesis of 1,4-Dihydropyridine Derivatives**

 Thatsawan Yutthaseri, Anawat Ajavakom, and  
 Vachiraporn Ajavakom\*


Tetrahydrocurcumin-Dihydropyridine    Hantzsch Reaction

**■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS**

- 1521 Polyketides
- 1524 Aromatics
- 1529 Terpenes
- 1530 Alkaloids
- 1540 Miscellaneous

■ BRUSH UP YOUR HETEROCYCLES

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1541 Brush Up Your Heterocycles

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