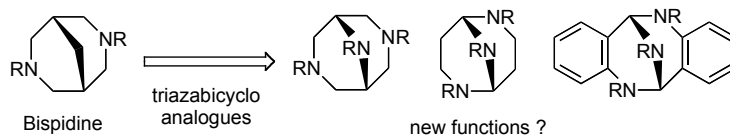


■ REVIEW

2001 **Synthesis of 3,7,9- and 2,6,9-Triazabicyclo[3.3.1]nonane Derivatives**

Ambara R. Pradipta and Katsunori Tanaka\*

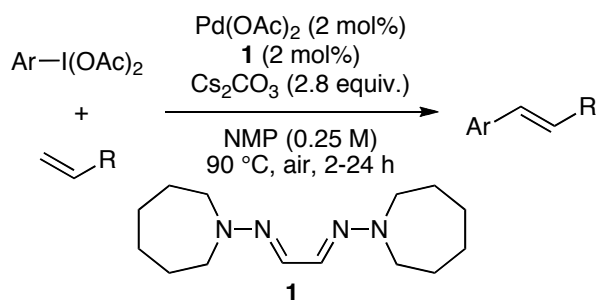


Triazabicyclo[3.3.1]nonane    Epiminodibenzo[*b*,*l*][1,5]diazocine    Bispidine    Unsaturated Imine    [4+4] Reaction

■ PAPERS

2015 **Palladium-Catalyzed Mizoroki-Heck Type Reaction with Aryliodine Diacetates Using Hydrazone Ligand**

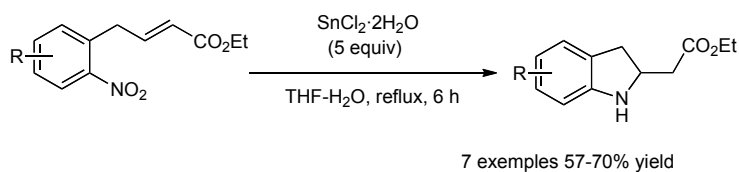
Takashi Mino,\* Kohei Watanabe, Taichi Abe, Taketo Kogure, and Masami Sakamoto



Palladium Catalyst    Mizoroki-Heck Type Reaction    Heterocyclic Hydrazone    Hypervalent Iodine Reagent

2023 **Facile Synthesis of Indolines by a Tandem Nitro-reduction Aza Michael Addition Reaction**

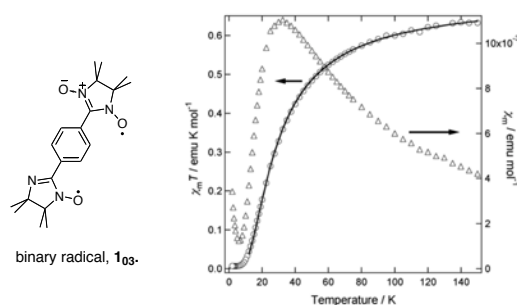
Wellington Martins Ventura, Luiz Guilherme Souza de Assis, and Jason Guy Taylor\*



Indoline    Aza Michael Reaction    Arylation    Nitro-reduction    Cyclization

2031 **Intentional Synthesis of Binary Radical that Bearing Nitronyl and Imino Nitroxides: X-Ray Analysis and Magnetic Measurement**

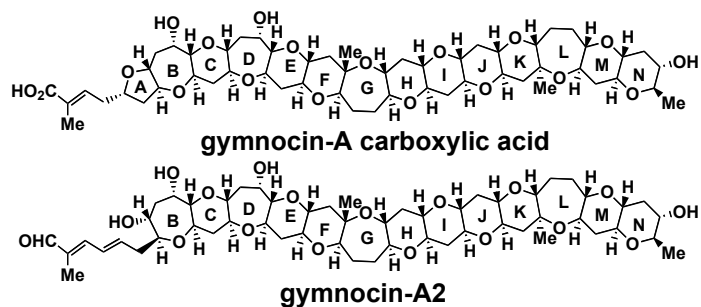
Fumiyasu Iwahori,\* Takayuki Suzuki, and Kosuke Kato



Nitronyl Nitroxide    Imino Nitroxide    Occupancy of Oxygen Atom    Magnetic Property

**2037 Gymnocin-A Carboxylic Acid and Gymnocin-A2, Cytotoxic Polyethers from the Red Tide Dinoflagellate *Karenia mikimotoi***

Yoshihisa Tanaka, Masayuki Satake,\* Mari Yotsu-Yamashita, and Yasukatsu Oshima

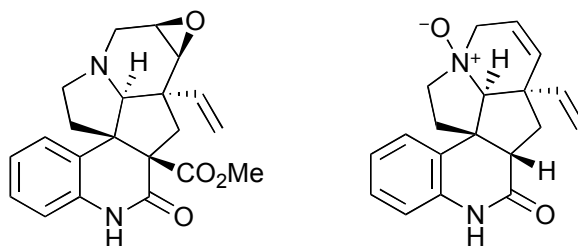


Red Tide    Dinoflagellate    *Karenia mikimotoi*    Polyether    Gymnocin

■ SHORT PAPERS

**2047 Alkaloids from *Melodinus suaveolens***

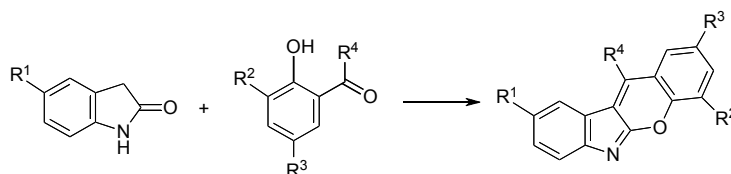
Ting-Ting Zhang, Zhi-Wen Liu, Wen-Jing Wang, Yong-Bin Tong, Fang-Fang Xu,\* Jing-Quan Yuan, Bo Liu, Xiao-Qi Zhang,\* and Wen-Cai Ye



Apocynaceae    *Melodinus suaveolens*    Monoterpenoid Indole Alkaloid    Quinoline Alkaloid

**2053 Synthesis of Chromeno[2,3-*b*]indole Derivates**

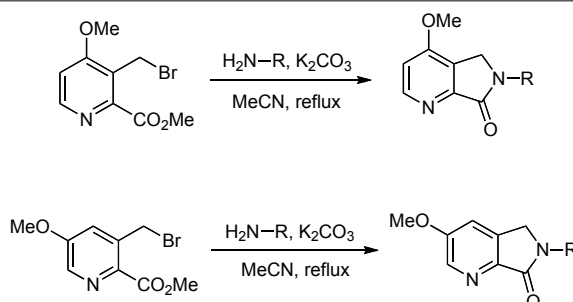
Eszter Gráczol-Fördös, Tibor Novák, Gábor Blaskó, Imre Fejes, François Perron-Sierra, and Miklós Nyerges\*



Knoevenagel Condensation Reaction    Indole    Acetophenone

**2071 Synthesis of 4-Methoxy and 5-Methoxy Substituted 7-Aza-isoindolin-1-ones**

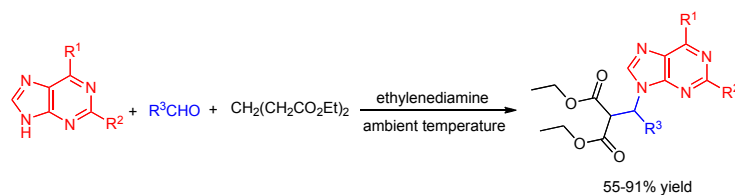
Heng Zhou, Guanglong Sun, Zenglu Liu, Xiaoping Zhan, and Zhenmin Mao\*



7-Aza-isoindolinone    Methoxylation    Cyclization

**2081 Efficient Synthesis of Purine Derivatives by One-Pot Three-Component Mannich Type Reaction**

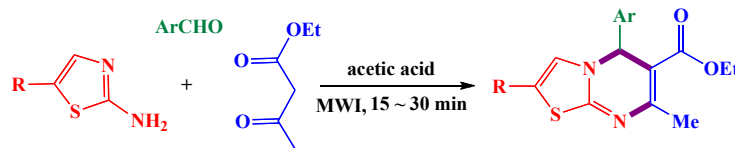
Qian Zhang,\* Bai-Wei Ma, Yong-Zhen Huang, Qian-Qian Wang, Xing-Xing Wang, Gui-Rong Qu, and Hai-Ming Guo\*



Three-Component Reaction    Mannich-Type Reaction    Purine Derivative

**2093 A Microwave Assisted Synthesis of Highly Substituted 7-Methyl-5H-thiazolo[3,2-*a*]pyrimidine-6-carboxylate Derivatives via One-Pot Reaction of Aminothiazole, Aldehyde and Ethyl Acetoacetate**

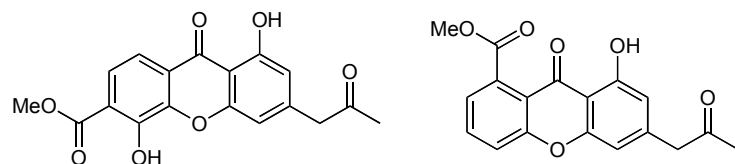
Bing Zhao, Li-Li Jiang, Zhuo Liu, Qi-Gang Deng,\* Li-Yan Wang, Bo Song, and Yan Gao\*



One-Pot Synthesis    Multicomponent Reaction    Green Synthesis    Thiazolo[3,2-*a*]pyrimidine Derivative

**2103 Xanthone Derivatives from the Fermentation Products of an Endophytic Fungus of *Phomopsis amygdali***

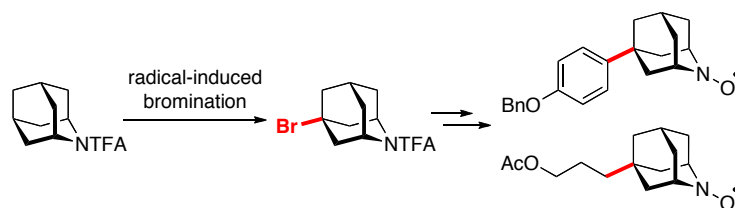
Qiufen Hu, Deyun Niu, Shuai Yang, Hongyun Cao, Chunyang Meng, Haiyin Yang, Xuemei Gao,\* and Gang Du\*



Fermentation Product of a *Phomopsis* Fungus    Xanthone    Cytotoxicity    Structure Elucidation

**2109 C–H Modification of 2-Azaadamantane: Synthesis of C5-Functionalized AZADOs for Advanced Use**

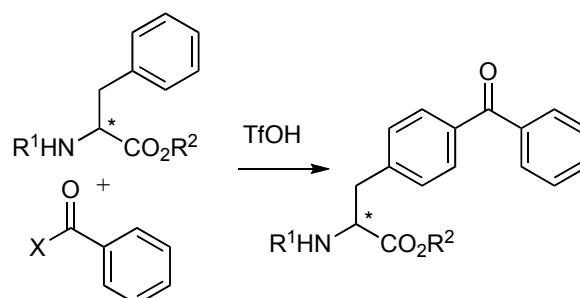
Yusuke Sasano, Tomohiro Nishiyama, Masaki Tomizawa, Masatoshi Shibuya, and Yoshiharu Iwabuchi\*



2-Azaadamantane    2-Azaadamantane *N*-Oxyl    C-H Bromination    Alcohol Oxidation    Organocatalyst

**2119 Simple and Stereocontrolled Preparation of Benzoylated Phenylalanine Using Friedel–Crafts Reaction in Trifluoromethanesulfonic Acid for Photoaffinity Labeling**

Yuta Murai, Lei Wang, Yasuyuki Muto, Yasuko Sakihama, Yasuyuki Hashidoko, Yasumaru Hatanaka, and Makoto Hashimoto\*



Friedel-Crafts Reaction    Benzophenone    Phenylalanine    Diazirine    Stereocontrolled Reaction

■ NEW HETEROCYCLIC NATURAL PRODUCTS

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- 2127 Polyketides
  - 2132 Aromatics
  - 2137 Terpenes
  - 2153 Steroids
  - 2156 Alkaloids
- 

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

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- 2165 Polyketides
  - 2169 Aromatics
  - 2176 Terpenes
  - 2178 Alkaloids
- 

■ ADDITIONS AND CORRECTIONS

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- 2197 Correction to "Recent Advances in the Syntheses of Decalin Type Natural Products":  
HETEROCYCLES, 2013, **87**, 1625, DOI: 10.3987/REV-13-773  
Hiroyuki Akita\*
-

**Contributors  
To This Issue**

- 2015 Abe, Taichi  
2197 Akita, Hiroyuki  
2053 Blaskó, Gábor  
2103 Cao, Hongyun  
2093 Deng, Qi-Gang  
2103 Du, Gang  
2053 Fejes, Imre  
2103 Gao, Xuemei  
2093 Gao, Yan  
2053 Gráczol-Fördös, Eszter  
2081 Guo, Hai-Ming  
2119 Hashidoko, Yasuyuki  
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2119 Hatanaka, Yasumaru  
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2081 Huang, Yong-Zhen  
2109 Iwabuchi, Yoshiharu  
2031 Iwahori, Fumiyasu  
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2047 Liu, Bo  
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2047 Liu, Zhi-Wen  
2093 Liu, Zhuo  
2081 Ma, Bai-Wei  
2071 Mao, Zhenmin  
2103 Meng, Chunyang  
2015 Mino, Takashi  
2119 Murai, Yuta  
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2109 Nishiyama, Tomohiro  
2103 Niu, Deyun  
2053 Novák, Tibor  
2053 Nyerges, Miklós  
2037 Oshima, Yasukatsu  
2053 Perron-Sierra, François  
2001 Pradipta, Ambara R.  
2081 Qu, Gui-Rong  
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2109 Sasano, Yusuke  
2037 Satake, Masayuki  
2109 Shibuya, Masatoshi  
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2023 Souza de Assis, Luiz Guilherme  
2071 Sun, Guanglong  
2031 Suzuki, Takayuki  
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2119 Wang, Lei  
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2081 Wang, Xing-Xing  
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2103 Yang, Haiyin  
2103 Yang, Shuai  
2047 Ye, Wen-Cai  
2037 Yotsu-Yamashita, Mari  
2047 Yuan, Jing-Quan  
2071 Zhan, Xiaoping  
2081 Zhang, Qian  
2047 Zhang, Ting-Ting  
2047 Zhang, Xiao-Qi  
2093 Zhao, Bing  
2071 Zhou, Heng