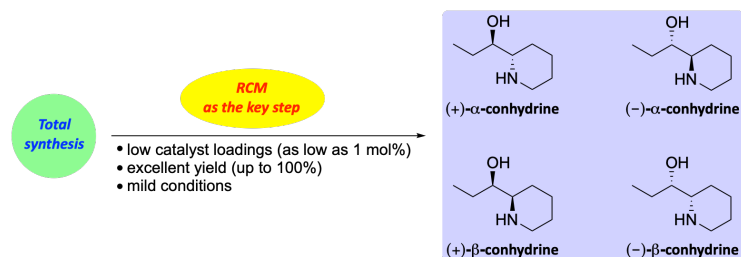


■ REVIEW

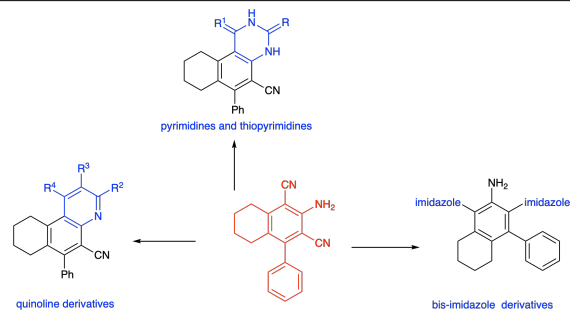
1913 Total Syntheses of Conhydrines via Ruthenium-Catalyzed Ring-Closing Metathesis (RCM) Reactions

 Tian Jin,* Lu Zhao,* Hong-Ping Wang, Chichong Lu,*
 Zong-He Li, Zhe-Bin Zheng, and Won-Hun Ham*


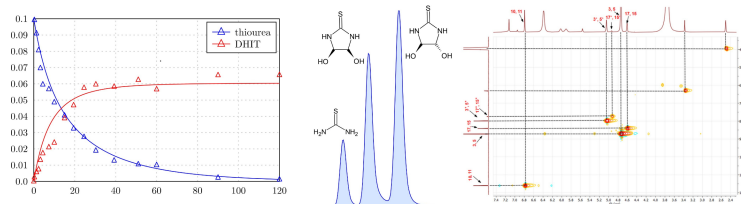
Total Synthesis Conhydrine Natural Product Ruthenium Catalyst Ring-Closing Metathesis

■ PAPERS

1935 Synthesis and Utilization of Tetrahydronaphthalene-1,3-dicarbonitrile as a Source of Benzo[*f*]quinazoline, Pyridine, Imidazole Derivatives with Antitumor Activity and Molecular Docking and Dynamics Studies

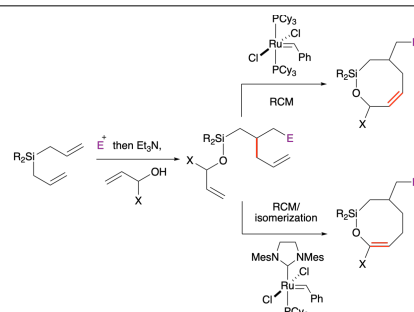
 Marwa El-Hussieny, Fatma A. A. El-Hag,
 Ahmed A. El-Rashedy, and Ewies F. Ewies*

 Tetrahydronaphthalene-1,3-dicarbonitrile Benzo[*f*]quinazoline Antitumor Activity Molecular Docking and Dynamics Studies

1954 Reaction Pathway and Kinetic Study of 4,5-Dihydroxyimidazolidine-2-thione Synthesis by HPLC and NMR

 Liudmila Kalichkina,* Dmitry Novikov, Oleg Kotelnikov,
 Viktor Malkov, and Alexey Knyazev


HPLC NMR Chemical Kinetics 4,5-Dihydroxyimidazolidine-2-thione

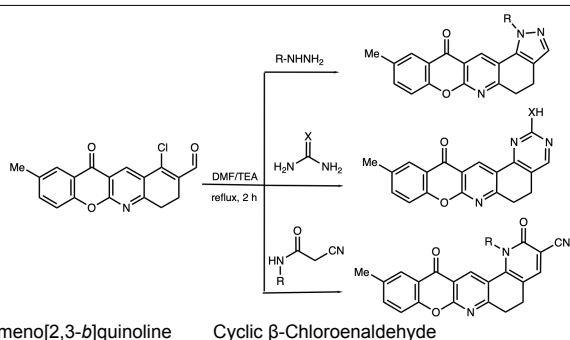
1966 Regiodivergent Medium-Ring Oxasilacycle Synthesis from Diallylsilanes

 Inna A. Fomina, Christopher R. Myers, Cierra L. M. Soumis,
 Margaret L. Scheuermann, James McCarty, Timothy B. Clark,
 and Gregory W. O'Neil*


Diallylsilane Oxasilacycle Rearrangement Metathesis Isomerization

1994 Synthetic Approaches for Construction of Novel Angular Heterocyclic Systems Containing Chromeno[2,3-*b*]-quinoline

Magdy A. Ibrahim,* Sami A. Al-Harbi, Esam S. Allehyani, Esam A. Alqurashi, and Fatmah M. Alshareef



Chromeno[2,3-*b*]quinoline

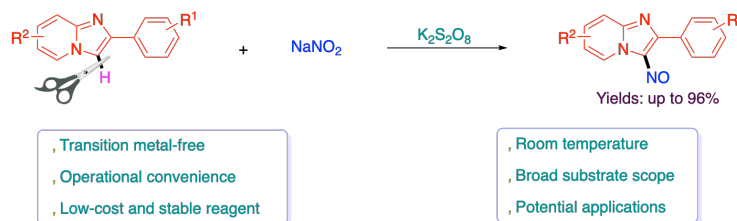
Chromeno[2,3-*b*]pyrazolo[3,4-*f*]quinoline

Chromeno[2,3-*b*]quinoline

Cyclic β -Chloroaldehyde

2008 A Transition Metal-Free System for C3-H Nitrosation of Imidazo[1,2-*a*]pyridine Using Sodium Nitrite at Room Temperature

Liting Yang, Ya Chen, Kun Zhao, Hongyi Zhou, Qiaochu Zhang, Chunxia Qin, Baiwei Ma, Dehong Yang, Haiyan Yang, Guoqun Liu,* Huijie Qiao,* and Liwei Mi*



Nitrosation (Nitrosylation)

Room Temperature

C-H Bond Functionalization

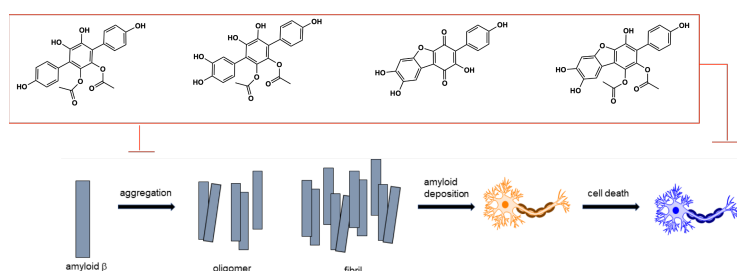
Transition Metal-Free

Imidazo[1,2-*a*]pyridine

■ SHORT PAPERS

2025 Inhibition of Amyloid- β Aggregation by *p*-Terphenyls from the Mushroom *Polyozellus multiplex* and Their Neuroprotective Effects

Shoko Nakabayashi, Ayaka Ishikura, Koji Fujihara, Shuntaro Hirabayashi, Shin Koike, Hiroaki Sasaki, Yuki Ogasawara, Kiyotaka Koyama, and Kaoru Kinoshita*



Alzheimer's Disease

Amyloid- β

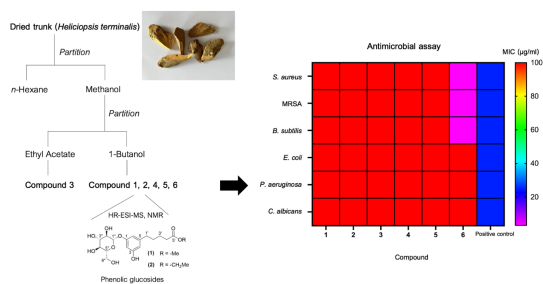
SH-SY5Y

Polyozellus multiplex

p-Terphenyl

2037 Antimicrobial Activities of *Heliciopsis terminalis* Trunk Extract

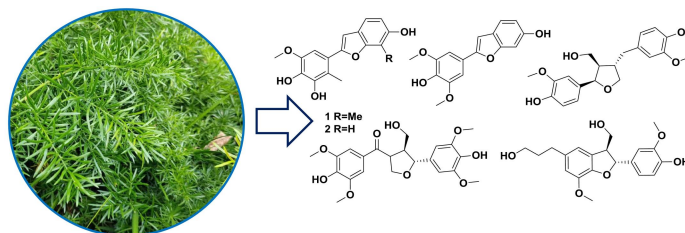
Charinrat Saechan, Uyen Hoang Nguyen, Zhichao Wang, Sachiko Sugimoto, Yoshi Yamano, Supinya Thanapongpichat, Katsuyoshi Matsunami, Hideaki Otsuka, Giang Minh Phan, Viet Hung Pham, Natakorn Nokchan, Jisunson Svasti, Hansuk Buncherd,* and Jasadee Kaewsrichan*



Phenolic Glucoside

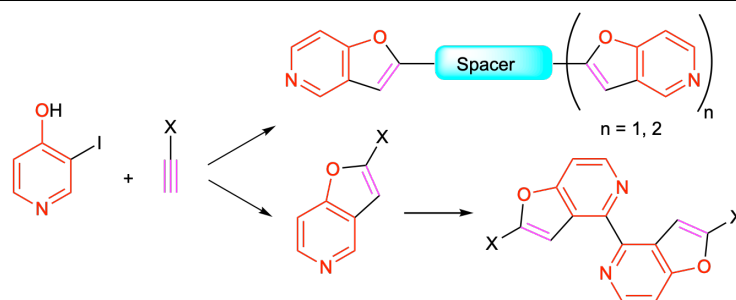
Heliciopsis terminalis

- 2046 Novel Benzofuranoid Norlignans from the Aerial Parts of *Asparagus cochinchinensis* and Their Biological Activity**
Baixiang Cai,* Jingyi Yue, Tao Xu, Jutao Wang, and Yang Yu*



Benzofuranoid Norlignan *Asparagus cochinchinensis* Anti-Inflammatory Activity Anticancer Activity

- 2053 Synthesis of New Multivalent Furo[3,2-c]pyridine and Bifuro[3,2-c]pyridine Derivatives**
Maurice Taszarek and Hans-Ulrich Reissig*



Furo[3,2-c]pyridine Sonogashira Reaction Multivalent Compound UV-Vis-Spectrum

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 2061 Polyketides
2064 Aromatics
2066 Terpenes
2068 Steroids
2069 Alkaloids
2081 Miscellaneous

■ BRUSH UP YOUR HETEROCYCLES

2085 Brush Up Your Heterocycles

Contributors To This Issue

- 1994 Al-Harbi, Sami A.
 1994 Allehyani, Esam S.
 1994 Alqurashi, Esam A.
 1994 Alshareef, Fatmah M.
 2037 Buncherd, Hansuk
 2046 Cai, Baixiang
 2008 Chen, Ya
 1966 Clark, Timothy B.
 1935 El-Hag, Fatma A. A.
 1935 El-Hussieny, Marwa
 1935 El-Rashedy, Ahmed A.
 1935 Ewies, Ewies F.
 1966 Fomina, Inna A.
 2025 Fujihara, Koji
 1913 Ham, Won-Hun
 2025 Hirabayashi, Shuntaro
 1994 Ibrahim, Magdy A.
 2025 Ishikura, Ayaka
 1913 Jin, Tian
 2037 Kaewsrichan, Jasadee
 1954 Kalichkina, Liudmila
 2025 Kinoshita, Kaoru
 1954 Knyazev, Alexey
 2025 Koike, Shin
 1954 Kotelnikov, Oleg
 2025 Koyama, Kiyotaka
 1913 Li, Zong-He
 2008 Liu, Guoqun
 1913 Lu, Chichong
 2008 Ma, Baiwei
 1954 Malkov, Viktor
 2037 Matsunami, Katsuyoshi
 1966 McCarty, James
 2008 Mi, Liwei
 1966 Myers, Christopher R.
 2025 Nakabayashi, Shoko
 2037 Nguyen, Uyen Hoang
 2037 Nokchan, Natakorn
 1954 Novikov, Dmitry
 1966 O'Neil, Gregory W.
 2025 Ogasawara, Yuki
 2037 Otsuka, Hideaki
 2037 Pham, Viet Hung
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 2008 Qiao, Huijie
 2008 Qin, Chunxia
 2053 Reissig, Hans-Ulrich
 2037 Saechan, Charinrat
 2025 Sasaki, Hiroaki
 1966 Scheuermann, Margaret L.
 1966 Soumis, Sierra L. M.
 2037 Sugimoto, Sachiko
 2037 Svasti, Jisnuson
 2053 Taszarek, Maurice
 2037 Thanapongpichat, Supinya
 1913 Wang, Hong-Ping
 2046 Wang, Jutao
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 2008 Zhang, Qiaochu
 2008 Zhao, Kun
 1913 Zhao, Lu
 1913 Zheng, Zhe-Bin
 2008 Zhou, Hongyi