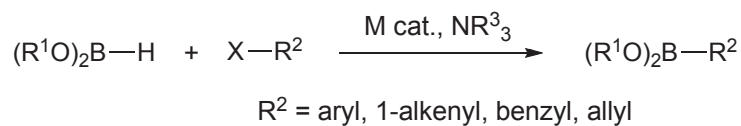


■ REVIEWS

1795 Transition-Metal-Catalyzed Borylation of Organic Halides with Hydroboranes

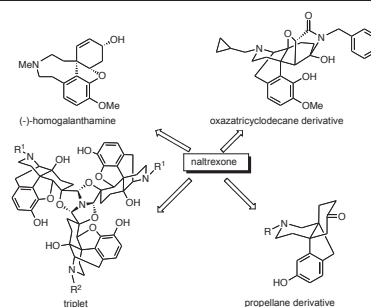
Miki Murata*



Transition Metal Catalyst C–B Bond Formation B–H Compound Organic Electrophile Cross-Coupling Reaction

1821 Design and Synthesis of Novel Opioid Ligands and Their Pharmacologies

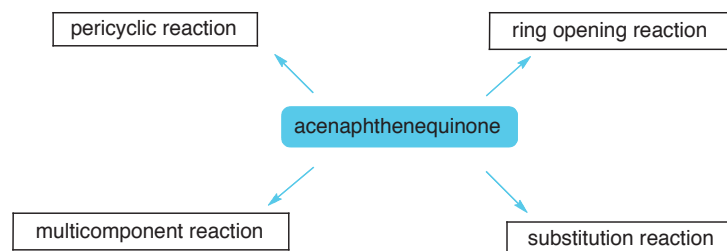
Hiroshi Nagase* and Hideaki Fujii



Naltrexone Homogalanthamine Oxazatricyclodecane Derivative Triplet Drug Propellane Derivative

1869 Development of the Acenaphthenequinone Reactions

Ghods Mohammadi Ziarani,* Parvin Hajjabbasi, and Parisa Gholamzadeh

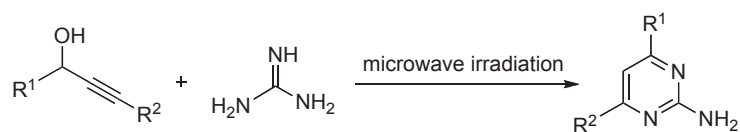


Acenaphthenequinone Pericyclic Reaction Ring Opening Reaction Multicomponent Reaction Substitution Reaction

■ COMMUNICATION

1891 Microwave-Assisted Synthesis of 2-Aminopyrimidines from Silica Gel-Adsorbed Propargyl Alcohols and Guanidine

Qing-Zhen Chen, Zong-Cang Ding, Yan-Li Ma, Zhen-Dong Wang, and Zhuang-Ping Zhan*

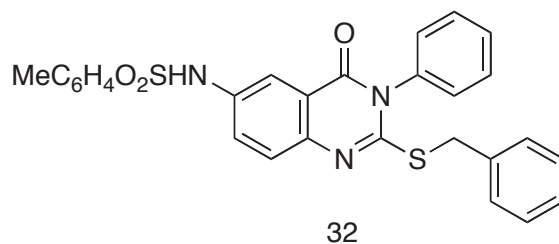


Organic Synthesis Organic Reaction

■ PAPERS

1897 Design, Synthesis and Biological Activity Evaluation of 2-Mercapto-4(3*H*)-quinazolinone Derivatives as Novel Inhibitors of Protein Tyrosine Phosphatase 1B

Hui Li, Jin-Ping Wang, Fan Yang, Ting Liu, Wen-Wei Qiu, Jing-Ya Li, Jia Li,* and Jie Tang*



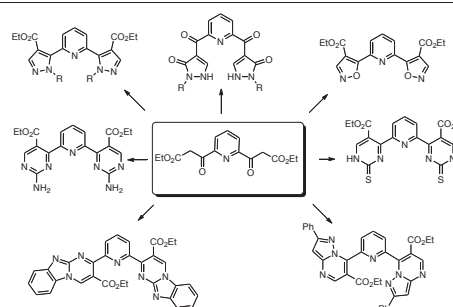
32

 $IC_{50} = 1.5 \mu\text{g/mL}$ (PTP1B)

PTP1B TCPTP Quinazolinone Inhibition Synthesis

1913 Synthesis of Some New Pyridine-2,6-bis-heterocycles

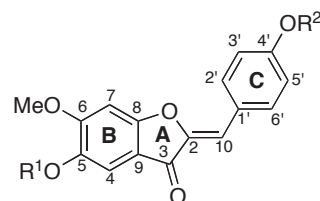
Korany A. Ali, Mohamed A. Elsayed, and Ahmad M. Farag*



Pyridine-2,6-bis(ethyl-3-oxopropanoate) Pyridine-2,6-bis(pyrazolo[1,5-a]pyrimidine) Pyridine-2,6-bis(imidazo[1,2-a]pyrimidine) Enaminone

1925 Aurone Constituents from the Flowers of *Rosa rugosa* and Their Biological Activities

Xuemei Gao, Liying Yang, Lidang Shu, Yanqiong Shen, Yinjie Zhang,* and Qiufen Hu*

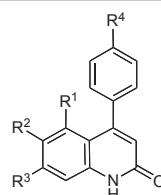


1 $R^1 = \text{Me}$, $R^2 = \text{H}$
2 $R^1 = \text{H}$, $R^2 = \text{H}$
3 $R^1 = \text{H}$, $R^2 = \text{Me}$

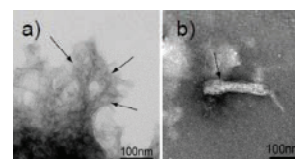
Rosa rugosa Aurone Anti-HIV-1 Activity Cytotoxicity

1933 Synthesis and Evaluation of 4-Aryl-2(1*H*)-quinolinones as Potent Amyloid β Fibrillogenesis Inhibitors

Yoko Shimokawa, Masamichi Nakakoshi, Setsu Saito, Hideharu Suzuki, Yuusaku Yokoyama, Akihito Ishigami, Hideo Nishioka, and Masayoshi Tsubuki*



$R^1 = \text{H, OH, OMe}$
 $R^2 = \text{H, Cl, OH, OMe}$
 $R^3 = \text{H, OH, OMe}$
 $R^4 = \text{H, F, OH, OMe}$

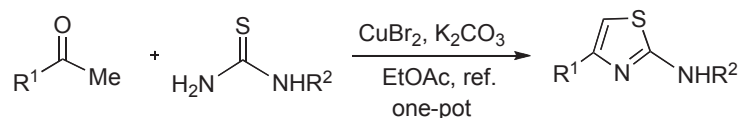


EM images of (a) A fibrils and (b) peptide incubated with inhibitor 5C

 4-Aryl-2(1*H*)-quinolinone Amyloid β 1-42 Fibrillogenesis Inhibitor Alzheimer's Disease TEM Image

1941 Facile One-Pot Procedure for the Synthesis of 2-Aminothiazole Derivatives

Guodong Yin,* Junrui Ma, Houqiang Shi, and Qing Tao



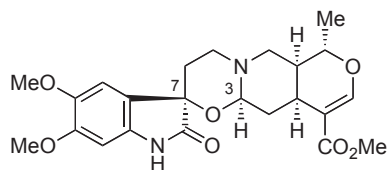
$R^1 = \text{aryl, heteroaryl}$
 $R^2 = \text{H, Me, allyl, Ph, 2-Naph}$

21 examples
 68-90%

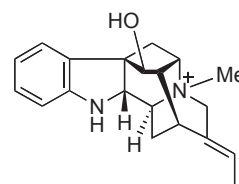
2-Aminothiazole One-Pot Reaction Hantzsch Synthesis

1949 New Indole Alkaloids from *Melodinus henryi*

Mariko Kitajima, Satoko Ohara, Noriyuki Kogure, Yuqiu Wu, Rongping Zhang, and Hiromitsu Takayama*



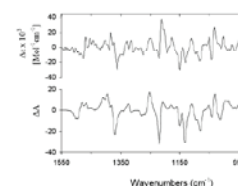
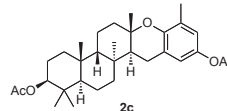
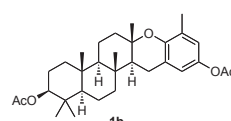
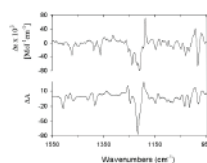
melodinoxanine (1)


*N*₆-methylnortetraphyllicine (2)

 Alkaloid Indole *Melodinus* Apocynaceae Structure Elucidation

1961 Absolute Configuration of the Meroditerpenoids Taondiol and Epitaondiol Diacetates by Vibrational Circular Dichroism

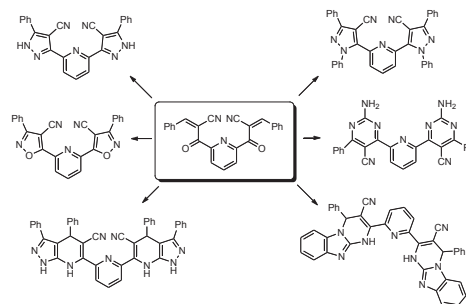
Marcelo A. Muñoz, Carlos Areche, Juana Rovirosa, Aurelio San Martín, Bárbara Gordillo-Román, and Pedro Joseph-Nathan*



Absolute Configuration Vibrational Circular Dichroism Taondiol Diacetate Epitaondiol Diacetate Meroditerpenoid

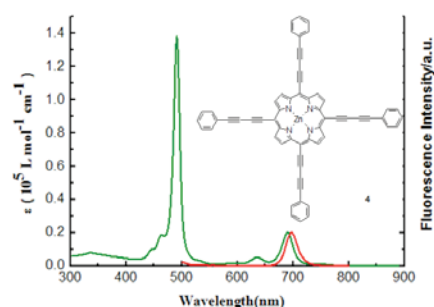
1975 Synthesis of Pyridine-2,6-bis-((*E*)-2-benzylidene-3-oxopropanenitrile) and Its Behavior towards Nitrogen Binucleophiles

Korany A. Ali*


 2,6-Disubstituted Pyridine Pyrazole Isoxazole Pyrimidine Pyrazolo[3,4-*b*]pyrimidine

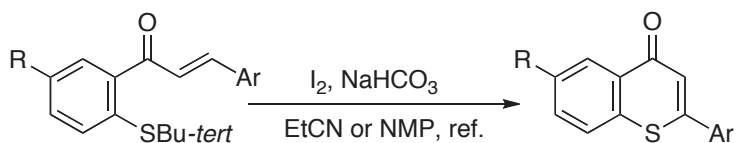
SHORT PAPERS
1987 Synthesis and Structure and Optical Properties of a Zinc(II) Tetrakis(phenylbutadiynyl)porphyrin

Liu-tao Yang, Di Wu,* Hai-feng Xiang, Xiangge Zhou, and Yue-fei Deng*


 Porphyrin Alkynyl Group π System Red Shift NIR Dye

1997 **A Convenient Synthesis of 2-Arylthiochromen-4-ones (Thioflavones) by Iodine-Mediated Cyclization of 3-Aryl-1-[2-(1,1-dimethylethylsulfanyl)phenyl]prop-2-en-1-ones**

Kazuhiro Kobayashi,* Akihiro Kobayashi, and Kosuke Ezaki



Thiochromen-4-one Thioflavone Iodine

■ NEW HETEROCYCLIC NATURAL PRODUCTS

- 2005 Polyketides
- 2010 Aromatics
- 2017 Terpenes
- 2030 Steroids
- 2035 Alkaloids
- 2042 Miscellaneous

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 2043 Polyketides
- 2048 Aromatics
- 2052 Terpenes
- 2054 Alkaloids
- 2070 Miscellaneous

■ ADDITIONS AND CORRECTIONS

2071 Corrigendum to "Antitumoral Alkaloids from *Clausena lansium*" : HETEROCYCLES, 2010, 81, 1261

Wisanu Maneerat and Surat Laphookhieo*

Contributors To This Issue

- | | | | |
|------------|-------------------------|------|---------------------------|
| 1913, 1975 | Ali, Korany A. | 1933 | Yokoyama, Yuusaku |
| 1961 | Areche, Carlos | 1891 | Zhan, Zhuang-Ping |
| 1891 | Chen, Qing-Zhen | 1949 | Zhang, Rongping |
| 1987 | Deng, Yue-fei | 1925 | Zhang, Yinjie |
| 1891 | Ding, Zong-Cang | 1987 | Zhou, Xiangge |
| 1913 | Elsayed, Mohamed A. | 1869 | Ziarani, Ghodsi Mohammadi |
| 1997 | Ezaki, Kosuke | | |
| 1913 | Farag, Ahmad M. | | |
| 1821 | Fujii, Hideaki | | |
| 1925 | Gao, Xuemei | | |
| 1869 | Gholamzadeh, Parisa | | |
| 1961 | Gordillo-Román, Bárbara | | |
| 1869 | Hajiabbasi, Parvin | | |
| 1925 | Hu, Qiufen | | |
| 1933 | Ishigami, Akihito | | |
| 1961 | Joseph-Nathan, Pedro | | |
| 1949 | Kitajima, Mariko | | |
| 1997 | Kobayashi, Akihiro | | |
| 1997 | Kobayashi, Kazuhiro | | |
| 1949 | Kogure, Noriyuki | | |
| 1897 | Li, Hui | | |
| 1897 | Li, Jia | | |
| 1897 | Li, Jing-Ya | | |
| 1897 | Liu, Ting | | |
| 1941 | Ma, Junrui | | |
| 1891 | Ma, Yan-Li | | |
| 1961 | Martín, Aurelio San | | |
| 1961 | Muñoz, Marcelo A. | | |
| 1795 | Murata, Miki | | |
| 1821 | Nagase, Hiroshi | | |
| 1933 | Nakakoshi, Masamichi | | |
| 1933 | Nishioka, Hideo | | |
| 1949 | Ohara, Satoko | | |
| 1897 | Qiu, Wen-Wei | | |
| 1961 | Rovirosa, Juana | | |
| 1933 | Saito, Setsu | | |
| 1925 | Shen, Yanqiong | | |
| 1941 | Shi, Houqiang | | |
| 1933 | Shimokawa, Yoko | | |
| 1925 | Shu, Lidang | | |
| 1933 | Suzuki, Hideharu | | |
| 1949 | Takayama, Hiromitsu | | |
| 1897 | Tang, Jie | | |
| 1941 | Tao, Qing | | |
| 1933 | Tsubuki, Masayoshi | | |
| 1897 | Wang, Jin-Ping | | |
| 1891 | Wang, Zhen-Dong | | |
| 1987 | Wu, Di | | |
| 1949 | Wu, Yuqiu | | |
| 1987 | Xiang, Hai-feng | | |
| 1897 | Yang, Fan | | |
| 1987 | Yang, Liu-tao | | |
| 1925 | Yang, Liying | | |
| 1941 | Yin, Guodong | | |