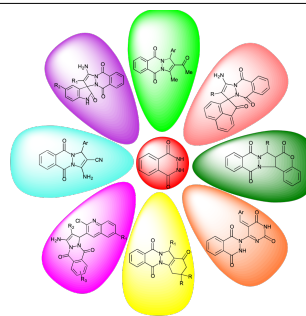


■ REVIEWS

1861 **Recent Achievements in the Synthesis of Heterocyclic Compounds by Phthalhydrazide-Based Multicomponent Reactions**

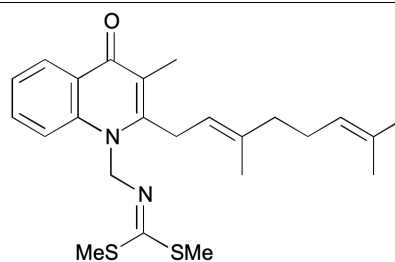
Ghodsi Mohammadi Ziarani,* Negar Jamasbi, and Fatemeh Mohajer



Phthalhydrazide Multicomponent Reaction Heterocyclic Compound

1894 **Synthesis and Structure–Activity Relationship Study of Intervenolin, an Antitumor and Anti-*Helicobacter pylori* Quinolone Natural Product**

Takumi Watanabe*



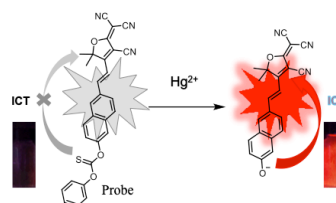
Intervenolin

Synthesis Quinolone Natural Product Antitumor Anti-*Helicobacter pylori*

■ COMMUNICATION

1939 **A Long-Wavelength Emission Fluorescent Probe Based on TCF Derivatives for High-Sensitivity Detection of Hg²⁺**

Yuan Sun, Keli Zhong, Lijun Tang,* and Xiaomei Yan*

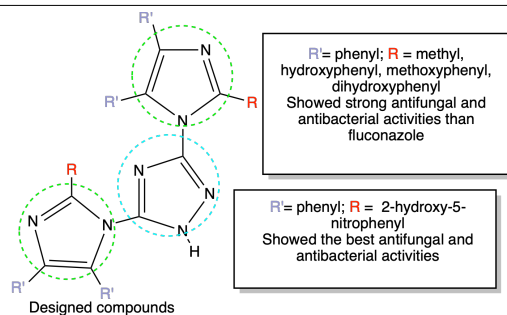


Fluorescent Probe TCF Derivative Large Stokes Shift Hg²⁺ Detection

■ PAPERS

1949 Design and One-Pot Synthesis of Some New [3,5-Di(4',5'-diphenyl-2'-substituted)-1H-imidazol-1-yl]-1H-1,2,4-triazole Derivatives: *in silico* ADMET and Docking Study, Antibacterial and Antifungal Activities Evaluation

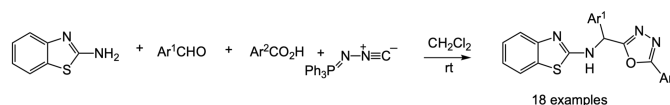
Nadia Hadhoun,* Fatima Zohra Hadjadj-Aoul, Smain Hocine, Souhila Bouaziz-Terrachet, Amar Abdoun, Nacera Seklaoui, Fella Boubrit, Wissem Abderrahim, and Lamine Redouane Mekacher



Imidazole 1,2,4-Triazole Antifungal Antibacterial ADMET

1969 Four-Component Synthesis of Functionalized 1,3,4-Oxadiazole Derivatives Bearing the 2-Amino-benzothiazole Moiety

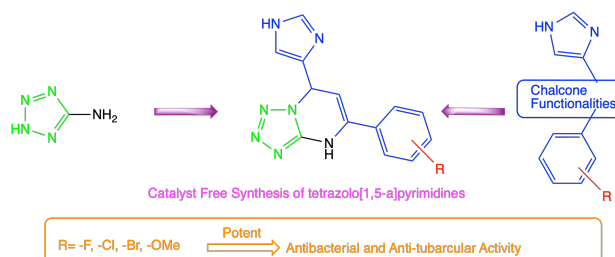
Milad Bazaz Rastkar, Bitra Mohtat,* Gholam Bagheri Marandi, and Hoorieh Djahaniani



Ugi-4CR/Aza-Wittig Cyclization N-Isocyaniminotriphenylphosphorane 2-Aminobenzothiazole Aromatic Aldehyde Aryl Carboxylic Acid

1982 A Facile, Efficient and Catalyst Free Synthesis of Imidazole, Tetrazole and Pyrimidine Combined Moiety as Potential Antimicrobial and Antitubercular Agents

Nayankumar M. Panchani* and Hitendrakumar S. Joshi

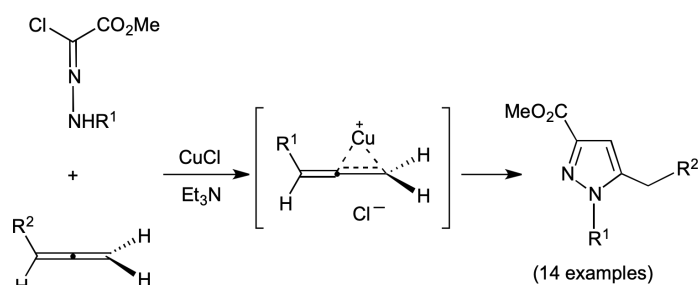


Tetrazole Catalyst Free Antitubercular Pyrimidine

■ SHORT PAPERS

1995 When Hydrazoneyl Chlorides Meet Allenes: a Site- and Regio-Selective Copper(I)-Catalysed Approach to 5-Substituted Pyrazoles

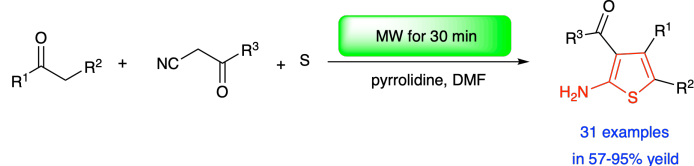
Giorgio Molteni,* Stefano Baroni, Marco Manenti, and Alessandra Silvani



Copper(I) Catalysis Allene Hydrazoneyl Chloride Pyrazole Regioselectivity

2007 Microwave-Assisted Synthesis of 2-Aminothiophene Derivatives via Improved Gewald Reactions

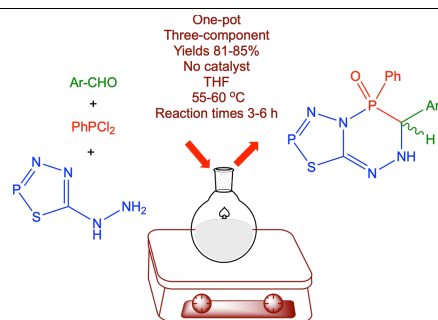
Bankang Ruan, Zhiyan Zhang, Lei Huang, Chao Xu, and Luolan Li*



2-Aminothiophene Gewald Reaction Microwave Synthesis

2019 A Convenient Synthesis of Novel 6-Aryl-5-phenyl-5-oxido-6,7-dihydro[1,3,4,2]thiadiazaphospholo[5,4-c][1,2,4,5]-triazaphosphinines

Tarik E. Ali,* Mohammed A. Assiri, Abdullah Y. Alzahrani, and Mohamed A. Salem



1,3,4,2-Thiadiazaphosphole 1,2,4,5-Triazaphosphinine One-Pot Synthesis Synthesis

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 2027 Polyketides
- 2028 Aromatics
- 2030 Terpenes
- 2035 Alkaloids
- 2044 Miscellaneous

■ BRUSH UP YOUR HETEROCYCLES

2047 Brush Up Your Heterocycles

Contributors To This Issue

1949 Abderrahim, Wissem
1949 Abdoun, Amar
2019 Ali, Tarik E.
2019 Alzahrani, Abdullah Y.
2019 Assiri, Mohammed A.
1995 Baroni, Stefano
1949 Bouaziz-Terrachet, Souhila
1949 Boubrit, Fella
1969 Djahaniani, Hoorieh
1949 Hadhoum, Nadia
1949 Hadjadj-Aoul, Fatima Zohra
1949 Hocine, Smain
2007 Huang, Lei
1861 Jamasbi, Negar
1982 Joshi, Hitendrakumar S.
2007 Li, Luolan
1995 Manenti, Marco
1969 Marandi, Gholam Bagheri
1949 Mekacher, Lamine Redouane
1861 Mohajer, Fatemeh
1969 Mohtat, Bita
1995 Molteni, Giorgio
1982 Panchani, Nayankumar M.
1969 Rastkar, Milad Bazaz
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2019 Salem, Mohamed A.
1949 Seklaoui, Nacera
1995 Silvani, Alessandra
1939 Sun, Yuan
1939 Tang, Lijun
1894 Watanabe, Takumi
2007 Xu, Chao
1939 Yan, Xiaomei
2007 Zhang, Zhiyan
1939 Zhong, Keli
1861 Ziarani, Ghodsi Mohammadi