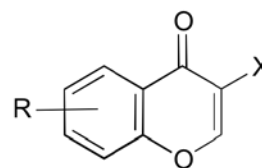


■ REVIEW

1863 Ring Opening Ring Closure Reactions with 3-Substituted Chromones under Nucleophilic Conditions

Magdy A. Ibrahim,* Nasser M. El-Gohary, and Sara Said



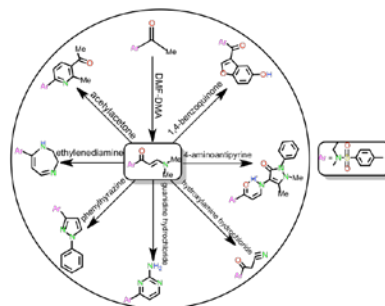
X= CN, CONH₂, CO₂H, CO₂Et, halo, NO₂

3-Substituted Chromone Nucleophilic Reaction Nitrogen and Carbon Nucleophile RORC Heterocyclization Reaction

■ PAPERS

1905 Synthesis, Antimicrobial and Antihuman Liver Cancer Activities of Novel Sulfonamides Incorporating Benzofuran, Pyrazole, Pyrimidine, 1,4-Diazepine and Pyridine Moieties Prepared from (*E*)-4-(3-(Dimethylamino)acryloyl)-*N*-ethyl-*N*-methylbenzenesulfonamide

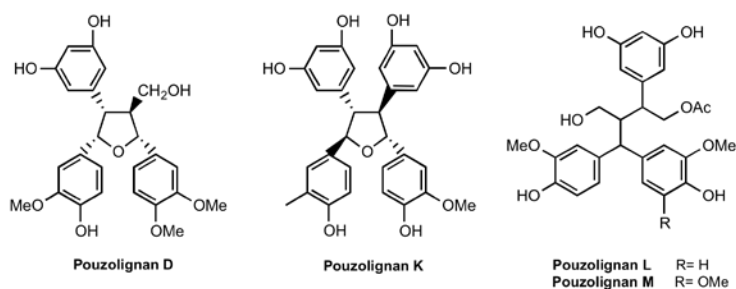
Sami A. Al-Harbi and Mahmoud S. Bashandy*



Benzenesulfonamide Enaminone Antihuman Liver Cancer Activity Molecular Docking

1926 Four New Compounds from *Pouzolzia zeylanica* (L.) Benn. var. *Microphylla*

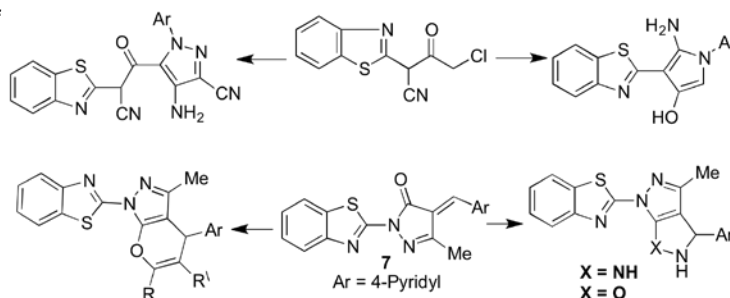
Chu-Qian Zhong, Shu-Hong Tao, Zhi-Bo Yi, Li-Bing Guo,* Yu-Feng Xie, and Yan-Fen Chen



Pouzolzia zeylanica (L.) Benn. var. *Microphylla* Pouzolignans D, K-M Norlignan

1937 Synthesis, Characterization and Cytotoxicity Evaluation of Some Novel Pyrazole and Pyrrole Derivatives Containing Benzothiazole Moiety

Khaled S. Mohamed* and Ahmed A. Fadda

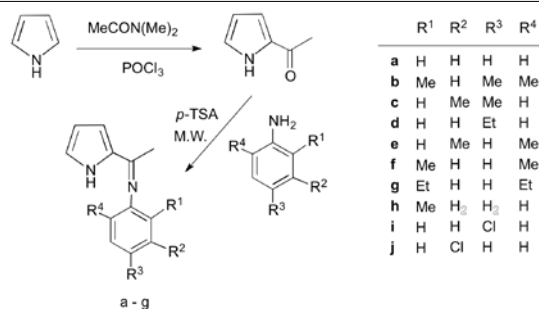


Benzothiazole Pyrazole Pyrrole HepG-2 MCF-7

■ SHORT PAPERS

1955 Efficient Microwave-Assisted Syntheses of A Series of Novel Mono(imino)pyrrolyl Compounds

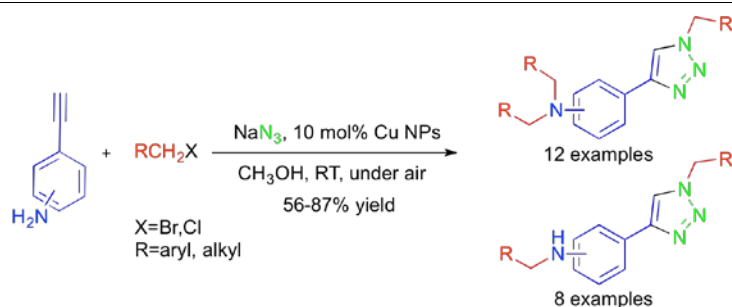
Biyun Su,* Xiaoteng Li, Xudong Wang, and Qianding Li



Mono(imino)pyrrole Microwave Chemistry Crystal Structure

1964 Nano-Copper Catalyzed Three-Component Tandem Cycloaddition and N-Alkylation Reaction from Aminophenylacetylenes, Sodium Azide and Alkyl Halides

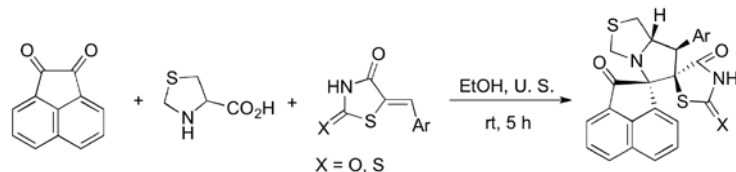
Fangli Gang, Taosheng Dong, Guangli Xu, Ying Fu, and Zhengyin Du*



Nano-Copper Catalysis Cycloaddition Reaction N-Alkylation Reaction Tandem Reaction Multicomponent Reaction

1972 An Efficient Synthesis of Novel Dispiro Derivatives via Three-Component 1,3-Dipolar Cycloaddition Reactions under Ultrasound Irradiation

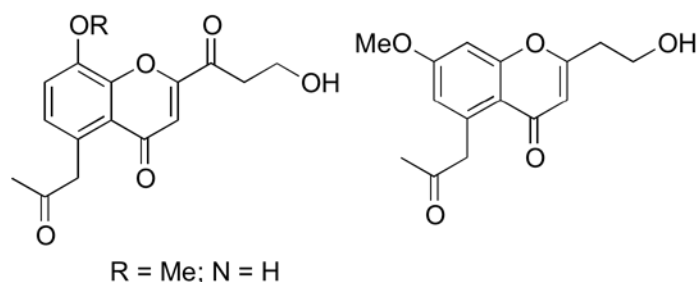
Chunling Shi* and Jun Zhou



Dispiro Compound 1,3-Dipolar Cycloaddition Reaction Azomethine Ylide Ultrasound Irradiation

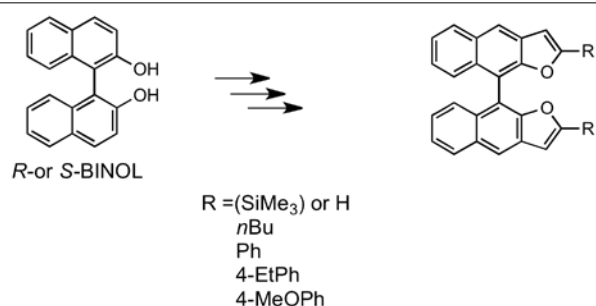
1980 Chromones from the Twigs of *Cassia fistula* and Their Anti-Tobacco Mosaic Virus Activities

Qiu-Fen Hu, Li-Mei Li, Dong-Lai Zhu, Zhen-Hua Yu, Jian-Bo Zhan, Jie Lou, Ye-De Wang, Kun Zhou, Min Zhou, Yin-Ke Li, and Xue-Mei Gao*


 Chromone *Cassia fistula* Anti-Tobacco Mosaic Virus Activity

1986 Chiral 9,9'-Binaphtho[2,3-b]furans

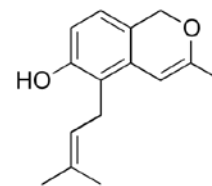
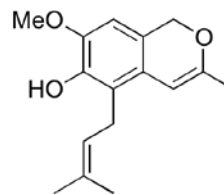
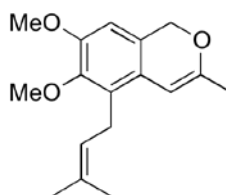
Peijun Ye, Qiuyun Li, Zhongsheng Bai, Kun Dong, and Qiancai Liu*



Chiral Binaphthofuran Binaphthalene Furan Synthesis Heterocycle

1996 New Isocoumarins from the Fermentation Products of Entophytic Fungus *Aspergillus versicolor* and Their Anti-Tobacco Mosaic Virus Activities

Gang Du, Zhong-Cheng Wang, Ye-Kun Yang, Hong-Mei Yang, Hai-Ying Yang, Min Zhou, Yan-Qing Ye, Xue-Mei Li,* and Qiu-Fen Hu*



Isocoumarin Entophytic Fungus *Aspergillus versicolor* Anti-Tobacco Mosaic Virus Activity

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 2003 Polyketides
- 2008 Aromatics
- 2011 Terpenes
- 2013 Steroids
- 2014 Alkaloids
- 2020 Miscellaneous

■ BRUSH UP YOUR HETEROCYCLES

- 2021 Brush Up Your Heterocycles

■ ADDITIONS AND CORRECTIONS

- 2041 **Errata “Preparation and Antibacterial Evaluation of Some Symmetrical Twin-Drug Type Bivalent Molecules”:**
HETEROCYCLES, 2015, 91, 1676, DOI: 10.3987/COM-15-13263

Fumiko Fujisaki, Makoto Furutachi, Ryou Fujiwara, Miriko Okabe, Hatsumi Aki, Nobuhiro Kashige, Fumio Miake, and Kunihiro Sumoto*

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To This Issue**

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 1905 Bashandy, Mahmoud S.
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 1964 Dong, Taosheng
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 1964 Du, Zhengyin
 1863 El-Gohary, Nasser M.
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 1964 Fu, Ying
 2041 Fujisaki, Fumiko
 2041 Fujiwara, Ryou
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 1964 Gang, Fangli
 1980 Gao, Xue-Mei
 1926 Guo, Li-Bing
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 1863 Ibrahim, Magdy A.
 2041 Kashige, Nobuhiro
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 1955 Li, Qianding
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 2041 Miake, Fumio
 1937 Mohamed, Khaled S.
 2041 Okabe, Miriko
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 1926 Tao, Shu-Hong
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1980 Zhu, Dong-Lai