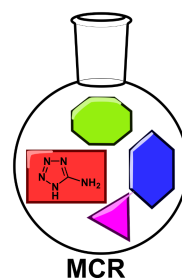


■ REVIEW

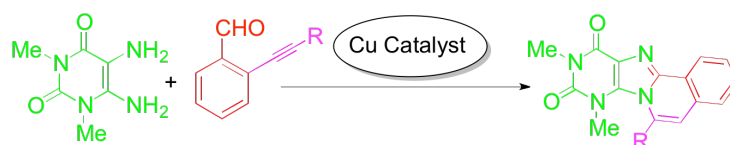
- 1819 **5-Aminotetrazole as a Building Block for Multicomponent Reactions (Review)**  
Anton V. Dolzhenko\*



Tetrazole    Biginelli Reaction    Three-Component Reaction    MCR    Aminoazole

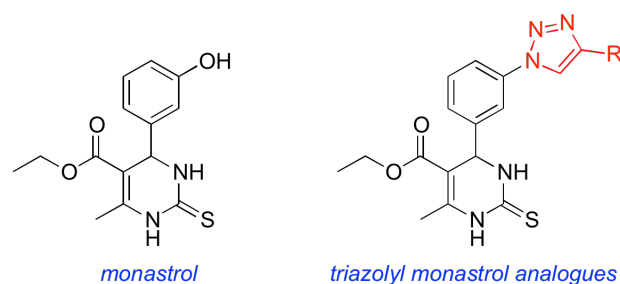
■ PAPERS

- 1847 **Copper Accelerated One-Pot Sequential Tandem Synthesis of Tetrahydropurinoisoquinoline Derivatives**  
Pradip Kumar Maji\* and Ayan Mahalanobish



One-Pot Reaction    Sequential Reaction    Tandem Synthesis    Copper Catalysis    Heterocycle

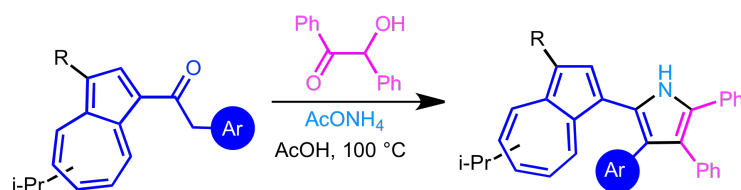
- 1856 **Synthesis and Biological Evaluation of Triazolyl Monastrol Analogues Using Cu-Catalyzed Click Chemistry**  
Hani Mutlak A. Hassan,\* Iuliana Denetiu, Kaltoom Sakkaf, Khalid A. Khan, Peter N. Pushparaj, and Kalamegam Gauthaman



Monastrol Analogue    Click Chemistry    Cu-Catalysis    Triazole    Anticancer Activity

- 1870 **Synthesis of Azulene-Substituted Tetraarylpyrroles by Reaction of 1-Azulenyl Ketones with Benzoin and Ammonium Acetate**

Taku Shoji,\* Sho Takagaki, Miwa Tanaka, Takanori Araki, Shuhei Sugiyama, Ryuta Sekiguchi, Akira Ohta, Shunji Ito, and Tetsuo Okujima

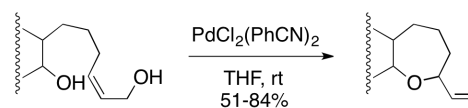


Azulene    Pyrrole    Condensation Reaction    UV/Vis Spectroscopy    DFT Calculation

## ■ SHORT PAPERS

**1885 Efficient Synthesis of Seven-Membered Cyclic Ethers Using Pd(II) Catalyst**

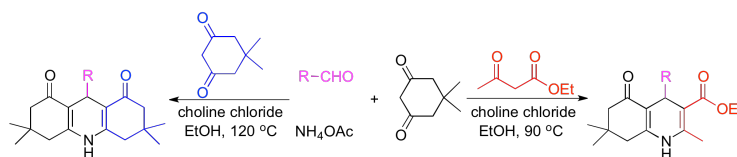
Masahiro Miyazawa,\* Yusuke Yano, Chiaki Hayashi, Masatake Okuno, Kenta Hara, Yoshiro Hirai, and Hajime Yokoyama



Seven-Membered Cyclic Ether    Palladium Catalyst    Cyclization Reaction    6,7-Fused Cyclic Ether

**1895 Choline Chloride Catalyzed Eco-Friend and Effective One-Pot Synthesis of 9-Arylacridine-1,8-dione and Hexahydroquinoline via Hantzsch Type Reaction**

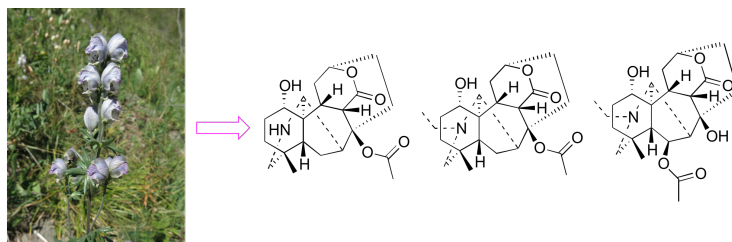
Shengxue Mao, Fei Li, Yue Lv, Chengwei Lv,\* and Shijun Yu\*



Choline Chloride    9-Arylacridine-1,8-dione    Hexahydroquinoline    Hantzsch Reaction    Synthetic Method

**1903 Three New Lactone-Type Diterpenoid Alkaloids from *Aconitum rotundifolium* Kar. & Kir.**

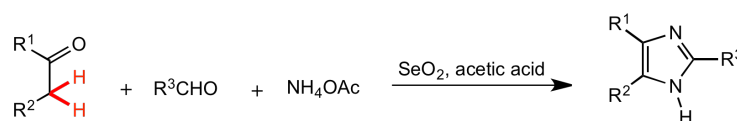
Firas Obaid Arhema Frejat, Wenliang Xu, Lianhai Shan, and Xianli Zhou\*



Aconitum    Conitum rotundifolium Kar. &amp; Kir.    C19-Diterpenoid Alkaloid    Rotundifosine

**1909 Selenium Dioxide Mediated Benzylic sp<sup>3</sup> C-H Oxidation in Acetic Acid: Synthesis of Lophine Derivatives from  $\alpha$ -Methylene Ketones via a Domino Multicomponent Reaction**

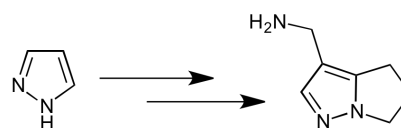
Vineet Jeena\* and Mncedisi Mazibuko



Domino Reaction    Lophine    Multicomponent Reaction    Selenium Dioxide

**1923 Synthesis of (5,6-Dihydro-4H-pyrrolo[1,2-b]pyrazol-3-yl)-methanamine**

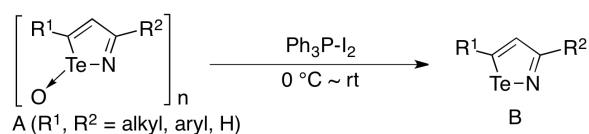
Zhong-Gang Bai, Hui Qi, Qun-Zheng Zhang, Yu Ma, Qing Pan, and Xun-Li Zhang\*



Pyrazole Derivative    Pyrrolo[1,2-b]pyrazole Skeleton    Oxime Hydrogenation    Pharmaceutical Intermediate

**1931 A Convenient Synthesis of Isotellurazoles via Deoxygenation of Isotellurazole Te-Oxide Oligomers by Using a Combination of  $\text{Ph}_3\text{P}/\text{I}_2$** 

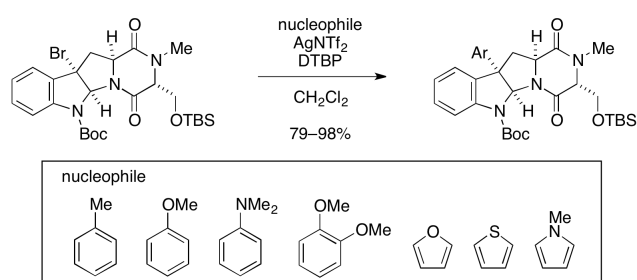
Yusuke Taneichi, Kazuaki Shimada,\* and Toshinobu Korenaga



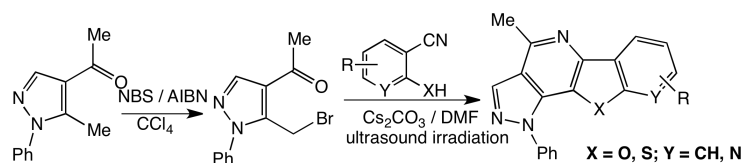
Isotellurazole Oxide Oligomer    Deoxygenation    Isotellurazole    Triphenylphosphine    Iodine

**1940  $\text{AgNTf}_2$ -Mediated Arylation of Bromopyrroloindolines**

Soichiro Sato, Azusa Hirayama, Tohma Adachi, Daichi Kawauchi, Hirofumi Ueda, and Hidetoshi Tokuyama\*


 Alkaloid    Natural Product    Indole    Friedel-Crafts Reaction     $\text{AgNTf}_2$ 
**1958 Ultrasound Promoted Efficient Construction of Polycyclic-Fused Pyrazolo[4,3-c]pyridines via Domino Reaction**

Ting Zhou, Dao-Lin Wang,\* Jiao Xu,\* Liang Yan, and Wei Ma


 Pyrazolo[4,3-c]pyridine    4-Acetyl-5-bromomethyl-1-phenyl-1H-pyrazole    Salicylonitrile     $\text{S}_\text{N}2$ /Thorpe-Ziegler/Thorpe-Guareschi Domino Reaction

**■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS**

- 1965 Polyketides
- 1969 Aromatics
- 1972 Terpenes
- 1974 Alkaloids
- 1980 Miscellaneous

■ BRUSH UP YOUR HETEROCYCLES

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1981 Brush Up Your Heterocycles

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