Synthetic Methods for Phosphorus Compounds Containing Chromone and Thiochromone Rings
Tarik E. Ali,* Mohammed A. Assiri, Somaia M. Abdel-Kariem, and Ibrahim S. Yahia

Mini Review: Antioxidant Application of Metal-Organic Frameworks and Their Composites
Shaikha S. Alneyadi*

Microwave-Assisted and Solvent-Free Synthesis of Quinoline Derivatives and Their Fluorescence Properties
Xiaobin Zhang, Xiumei Ma, Yun Ai, Yuanyuan Ren, Xiao Bai, Huan Chen, Ying Zhou, Wenyu Li, Cuiling Wang,* and Yifeng Liu

3,5-Disubstituted Tetrahydro-2H-1,3,5-thiadiazine-thiones Ester Derivatives and Their Antimicrobial Evaluation
Irfan Ullah, Jamshed Hashim,* Nuzhat Arshad,* Muhammad Yaseen, Rasool Khan, Tahseen Iqbal, Syeda Zehra Hamid, Afshan Kanwal, and Iqbal Safi

KOH
R\textsuperscript{1}-NH\textsubscript{2} + CS\textsubscript{2}
i) CH\textsubscript{3}O
ii) NH\textsubscript{2}CH\textsubscript{2}CO\textsubscript{2}H
R\textsuperscript{1}= alkyl, aralkyl, carboxymethyl
R\textsuperscript{2}= alkyl

Screening for Antifungal/ Antibacterial Activities
675 Synthesis of 4-Hydroxyaurones and Their Herbicidal Activities
Mei Xia, Min Zhang,* Jianfen Ding, Jiankai Hong, Yuting Shen, and Liuqing Yang*

Aurone Synthesis Herbicidal Activity Greenhouse Test

686 Synthesis of Some Macrocyclic Diimines from Mono-, Di-, Tri-, and Tetra-Indolyl Dialdehydes
Kittya Somphol, Naresh Kumar, and David StC. Black*

Indole Macrocyclic Compound Diimine Indole Aldehyde Heterocyclic Compound

705 Synthesis of Pyrazolo[4,3-c]quinolines and the C-C Bond Cleavage during Reductive Cyclization
Nisha Devi, Antriksh Gupta, Raghuram Gujarappa, Chandi C. Malakar,* and Virender Singh*

C-N Bond Formation N-Heterocycle Pyrazole Reductive Cyclization Nitro-Aromatic

723 Catalytic and Diastereoselective Cascade Reaction for the Preparation of c/s-1,3-Disubstituted Isoindoline-Aminal Hybrid Compounds
Tetsuya Tsujihara,* Takeyuki Suzuki, and Tomikazu Kawano*

Cascade Reaction Aminalization Aza-Michael Reaction Isoindoline Aminal
A Simple Synthesis and Antimicrobial Activity of Some New 1,2,4-Triazolopyrimidine Derivatives
Kamelia M. El-mahdy* and Azza M. El-kazak

Synthesis of Anti-Insomnia Drug Suvorexant
Hongshun Yuan, Lei Guo,* and Xianhua Pan*

TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- Polyketides
- Aromatics
- Terpenes
- Alkaloids
- Miscellaneous
Brush Up Your Heterocycles
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647 Ai, Yun
583 Ali, Tarik E.
622 Alneyadi, Shaikha S.
659 Arshad, Nuzhat
583 Assiri, Mohammed A.
647 Bai, Xiao
686 Black, David StC.
647 Chen, Huan
705 Devi, Nisha
675 Ding, Jianfen
731 El-kazak, Azza M.
731 El-mahdy, Kamelia M.
705 Gujjarappa, Raghuram
743 Guo, Lei
705 Gupta, Antriksh
659 Hamid, Syeda Zehra
659 Hashim, Jamshed
675 Hong, Jiankai
659 Iqbal, Tahseen
659 Kanwal, Afshan
723 Kawano, Tomikazu
659 Khan, Rasool
686 Kumar, Naresh
647 Li, Wenyu
647 Liu, Yifeng
647 Ma, Xiumei
705 Malakar, Chandi C.
743 Pan, Xianhua
647 Ren, Yuanyuan
659 Safi, Iqbal
675 Shen, Yuting
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686 Somphol, Kittya
723 Suzuki, Takeyuki
723 Tsujihara, Tetsuya
659 Ullah, Irfan
647 Wang, Cuiling
675 Xia, Mei
583 Yahia, Ibrahim S.
675 Yang, Liuqing
659 Yaseen, Muhammed
743 Yuan, Hongshun
675 Zhang, Min
647 Zhang, Xiaobin
647 Zhou, Ying