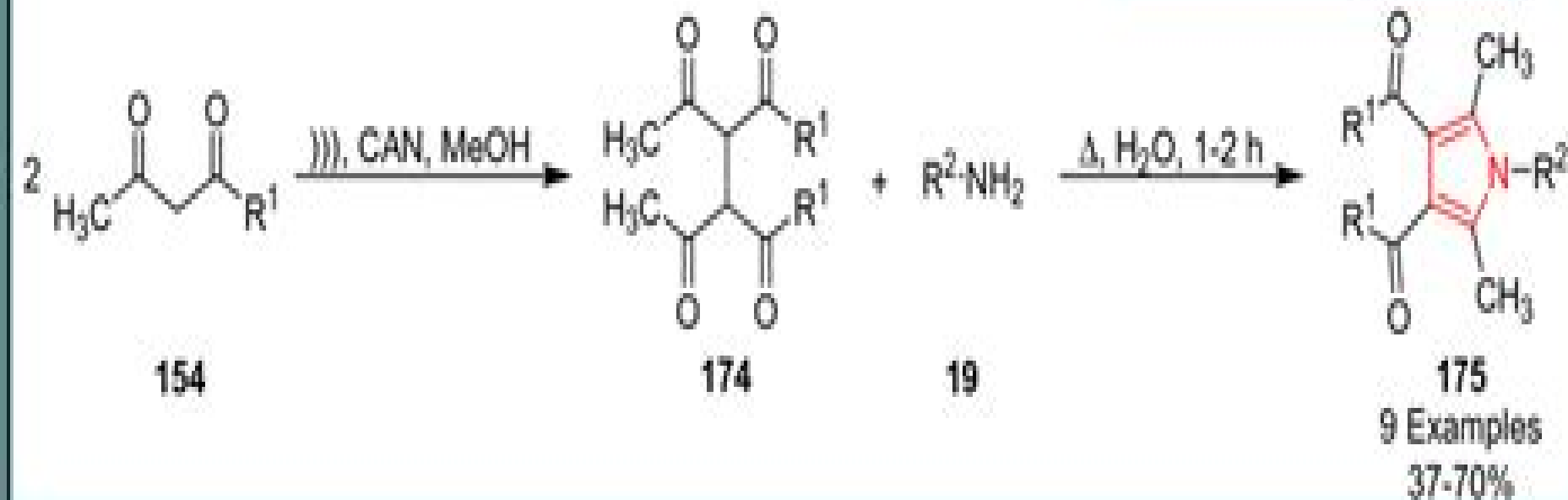
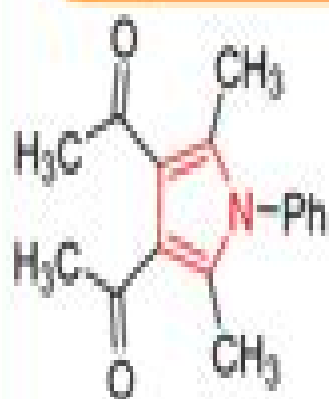


Substituted pyrroles



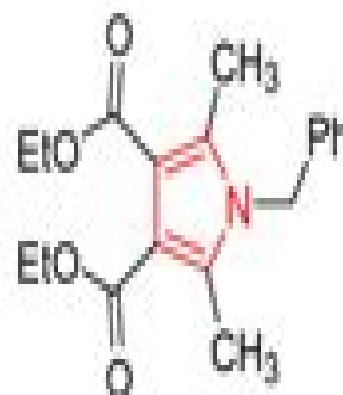
Representative examples



175a; 47%



175b; 70%



175c; 42%



175d; 60%

Pyrroles The Synthesis Reactivity And Physical Properties Of Substituted Pyrroles

**Carlos A. M. Afonso, Nuno R.
Candeias, Dulce Pereira
Simão, Alexandre F. Trindade, Jaime A.
S. Coelho, Bin Tan, Robert Franzén**

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Progress in Heterocyclic Chemistry H. Suschitzky, 2013-10-22 Progress in Heterocyclic Chemistry PHC Volume 3 reports in 17 articles on new and important developments in heterocyclic chemistry abstracted from the 1990 literature The material is arranged in a systematic way based on ring size and selected by experts in a particular field The chapters are preceded by two articles on heterocyclic topics hitherto unreviewed and written by chemists well known for their work in the relevant field

Russian Journal of Organic Chemistry, 2003 Chemical Abstracts, 1923 Chemistry and Biology of Beta-Lactams Bimal Krishna Banik, Aparna Das, 2024-11-07 Due to their medicinal activity and potential use as synthetic starting materials studies on beta lactams have increased significantly This unique volume takes readers on a tour de force from the concept of antibiosis to the serendipity of antibiotics evolution of beta lactam development and molecular biology of antibiotic resistance These areas of research have culminated in a deeper understanding of microbiology particularly in the area of bacterial cell wall synthesis and recycling Considerable work has been performed by chemists and biologists to continue updating their findings about beta lactam synthesis Features Stereoselective synthesis of monocyclic bicyclic and polycyclic beta lactams Microwave ultrasound and solid support mediated preparation of beta lactams Diverse medicinal activities including anticancer activities of beta lactams and products obtained from them Nanoparticles artificial intelligence and dipole moments in beta lactam science Synthesis and mechanism of formation of polyaromatic beta lactams

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