

JOURNAL OF THE CHEMICAL SOCIETY

Perkin Transactions 1

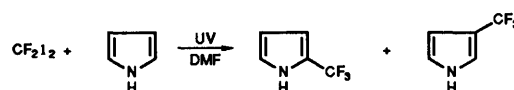
Organic and Bio-organic Chemistry

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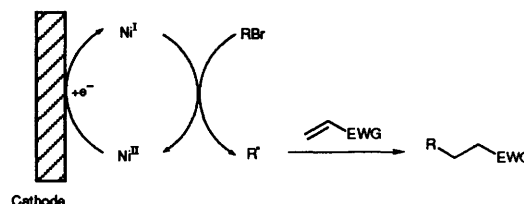
Qing-Yun Chen and Zhan-Ting Li



Under UV irradiation, CF_2I_2 reacts with pyrroles, indole, imidazoles, or enamines, giving the corresponding trifluoromethylated compounds in good yields

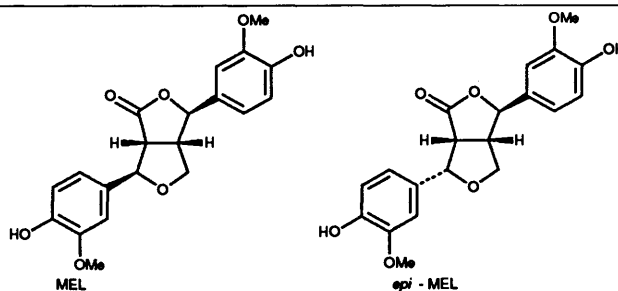
- 649 **Indirect electroreductive addition of alkyl radicals to activated olefins using a nickel(II) complex as an electron-transfer catalyst**

Shigeko Ozaki, Hidenori Matsushita and Hidenobu Ohmori



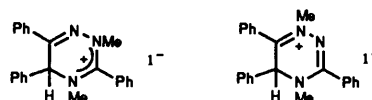
- 653 **Synthesis of 4,8-bis(4-hydroxy-3-methoxyphenyl)-3,7-dioxabicyclo[3.3.0]octan-2-ones and determination of their relative configuration *via* long-range proton couplings**

Stéphane Quideau and John Ralph



- 661 **Photochemistry of *N*-heterocycles. Part 3. Synthesis and photochemistry of some new dihydro-1,2,4-triazines and their quaternary salts**

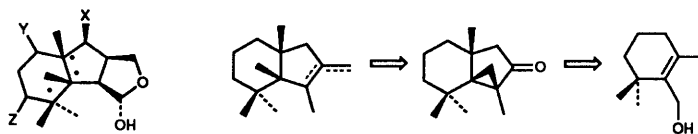
József Nagy, Rudolf Rapp, Mária Alexovics, Dietrich Döpp, József Nyitrai, Uwe Záhorszky and Herbert Röttele



The mechanism of photo-induced ring contraction into imidazoles is discussed

667 **Synthesis of (\pm)-Thaps-7(15)-ene and (\pm)-Thaps-6-enes**

Adusumilli Srikrishna and Kathiresan Krishnan

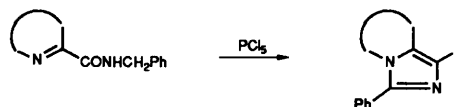


Thapsanes

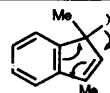
Total synthesis of the title compounds containing three contiguous quaternary carbons is described

675 **Studies on Wallach's imidazole synthesis**

Tiziana Benincori, Elisabetta Brenna and Franco Sannicolo

The *N*-benzylamides of *N*-heterocyclic carboxylic acids react in the presence of phosphorus pentachloride to give heterocondensed pyrimidines681 **Migratory tendencies for 1,5-sigmatropic shifts in the 1,3-dimethylindene system**

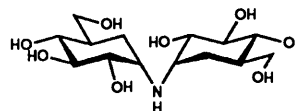
David W. Jones and Robert J. Marmon

X = COCOPh, COSPh, *E*-nitrovinyl, HCNPh, HCNBu^t, HCNNMe₂, 2-pyridyl, 1-methylpyridin-2-yl, 2-furyl, 2-(1-propylpyrrolyl), 2-thienyl, 1- and 2-naphthyl, and penta-1,3-dienyl

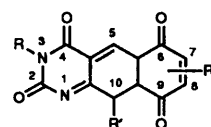
The tendency for the groups X to undergo the indicated 1,5-sigmatropic shift is assessed

691 **Synthesis and trehalase-inhibitory activity of an imino-linked dicarba- α,α -trehalose and analogues thereof**

Seiichiro Ogawa, Koji Sato and Yasunobu Miyamoto

697 **Synthesis and catalytic properties of 5-deazaflavo-6,9-quinones**

Tetsutaro Kimachi, Yoshinori Tamura, Kiyoshi Bessho and Fumio Yoneda



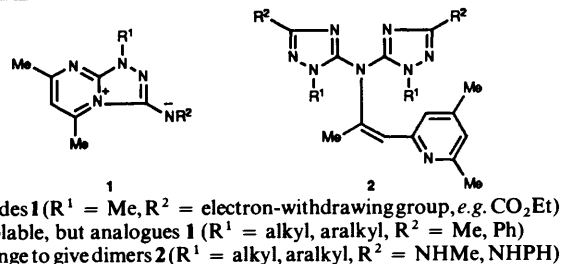
Novel 5-deazaflavo-6,9-quinones have been synthesized in a search for more powerful autorecycling redox catalysts

701 **Asymmetric synthesis of optically active phthalides via *ortho*-lithiation and cyclization of chiral *N*-monosubstituted benzamides**

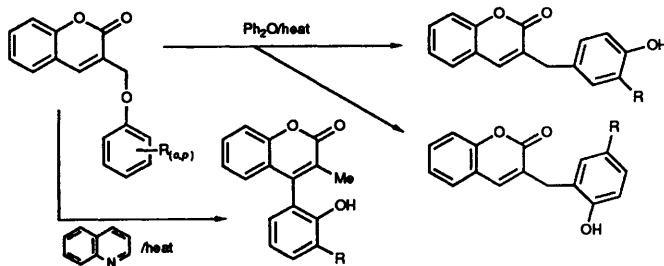
Syuichi Matsui, Akinori Uejima, Yoshinori Suzuki and Kazuhiko Tanaka

ortho-Lithiated (*S*)-(-)-*N*-benzoyl-*O*-methylphenylalaninol reacted with valeraldehyde to give, after cyclization, (*S*)-(-)-3-butylphthalide, an essential oil of celery, with 83% e.e.

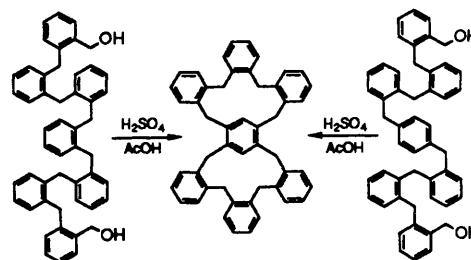
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 Brian C. Bishop, Hugh Marley, Kevin J. McCullough, Peter N. Preston and Stanley H. B. Wright



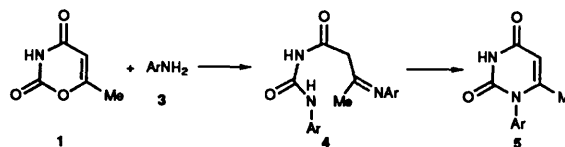
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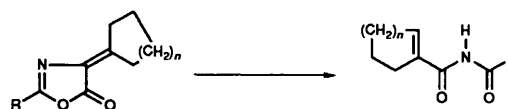
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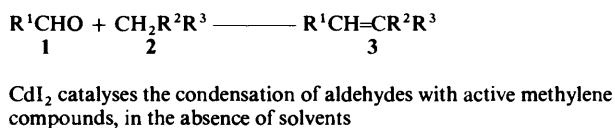
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NOTE: An asterisk in the heading of each paper indicates the author who is to receive any correspondence.