Journal of Chemical Research, Issue 1, 1990

Other papers in the subject areas covered by *J. Chem. Soc.* are published in synopsis/microform format in *J. Chem. Research*. For the benefit of readers of *J. Chem. Soc.*, the contents list of *J. Chem. Research* (S), Issue 1, is reproduced below.

- Some Carbazole and Carboline Quinones and an Unexpected Demethoxylation Reaction (M0201)John Parrick and Arbaeyah Yahya Novel Inhibitors of Human Renin unrelated to the Angiotensinogen Sequence. Analogues of a Tetrapeptide, Boc-o-Phe-Cys(Acm)-o-Trp-Leu-OMe Anand S. Dutta, James J. Gormley, Peter F. McLachlan, and John S. Major (M 0101) Synthesis of 3-(p-Fluorophenyl)-4-arylchrom-3-enes as Selective Ligands for Antiestrogen-binding sites Chi-Chin Teo, Oi-Lian Kon, and Keng-Yeow Sim Biphenylenes and Heterocyclic Analogues of Biphenylene. Part 6. Chlorination of 4,5,9,10-Tetra-azaphenanthrene and the (M0215)Preparation of Hexachloro-1,8-diazabiphenylene John P. Kilcoyne, J. A. Hugh MacBride, Max Muir, and (the late) Peter M. Write Rearrangements of Non-indolizable Arylhydrazones of Methoxy-substituted Aromatic Carbonyl Compounds in Polyphosphoric (M0238)Acid Egle Beccalli, Tiziana Benincori, and Franco Sannicolo Triazolopyridines. Part 10. Sites of Quaternization of [1,2,3]Triazolo[1,5-a]pyridines Belen Abarca, Amparo Asensio, Rafael (M0347)Balesteros, Jordi Bosch, Gurnos Jones, Fatemeh Mojarrad, Mohamed R. Metni and Christine M. Richardson 10 Peroxonium lons from Butyl β-lodoalkyl Peroxides: an Investigation of the Effect of Replacing t-Butyl by s-Butyl and n-Butyl (M0265)A. J. Bloodworth, Yasmin S. Khalaf, John C. Mitchell, and Michael D. Spencer Cyclisation of Alkynecarboxylic Acids: Synthesis and Reactions of 6-Methylene-1,4-oxathian-2-ones and Their 4,4-Dioxides 12 (M0279)Makoto Yamamoto, Hiroshi Munakata, Mohammed Zaki Hussein, Shigeo Kohmoto, and Kazutoshi Yamada Amino-hydroxamic Functions as Sequestering Agents in Biological Systems. A Thermodynamic and Spectrophotometric Study 14 (M0301)of Complex Formation Equilibria between DL-2-Amino-N-hydroxy-n-butanamide and Cobalt(III), Nickel(III), Copper(III), and Hydrogen lons in Aqueous Solution Enrico Leporati 16 Basic Isomerisation of Some Methyl 4-Hydroxy-4-alkylbut-2-enoates Marcello Di Giacomo, Paolo Leggeri, Ornella Azzolina, (M0333)Demetrio Pirillo, and Giorgio Traverso Compounds with Bridgehead Nitrogen. Part 60. The Synthesis and Stereochemistry of Perhydropyrido[1,2-c][1,3]benzoxaze-18 (M0355)pines Trevor A. Crabb, Asadollah Fallah, and Olive G. Roch Compounds with Bridgehead Nitrogen. Part 61. Conformational Equilibria in the Perhydrodipyrido[1,2-c:2',1'-e]imidazoles 20 (M0376)Lee Banting, Trevor A. Crabb, Asadollah Fallah, and Roger O. Williams 21 A Simple and Inexpensive Procedure for the Preparation of (Dichloroiodo) arenes Demet Koyunçu, Alexander McKillop, and Lee McLaren (M)22 Stereoselective Formation of the Dolastane Framework by a Biomimetic Transannular Cyclization of the (3E,7E)-Dolabella-3,7dienoid Akihiko Matsuo, Ken-ichiro Yoshida, and Mitsuru Nakayama (-)24 Applications of Phase Transfer Catalysis. Part 48. A Re-evaluation of Tetra-alkylammonium Tetrahydrido-aluminate and Phase Transfer Catalytic LiAlH, Reductions Eckehard V. Dehmlow and Rubin Cyrankiewicz (-)25 Revised Structures for the Dimers of 2,3-Di(halogenomethyl)-5,6-dimethylenecyclohex-2-ene-1,4-diones Gordon I. Fray and (-)lan J. Long 26 Hydrogen-bonded Complexes of Triphenylphosphine Oxide with Alkyl Hydroperoxides Heinz Kropf and Sven Munke (-)28 Chloro(phthalocyanine)aluminium as a Catalyst for the Nuclear and Side-chain Halogenation of Alkyl Arenes Heinz Kropf and **Brigitta Arlt** (-)30 Cyclic Ketones from Thiohydroxamates Enzo Castagnino, Stefano Corsano, and Assunta Mastalia (-)32 Reactions of Diketene: A One Pot Synthesis of 1,5-Disubstituted 1,2,3,7-Tetrahydro-8-nitroimidazo[1,2-a]pyridin-7(1H)-ones and 1-Methyl-4-nitropyrido[1,2-a]benzimidazol-3(5H)-one Narender A. V. Reddy, Samarendra N. Maiti, and Ronald G. (-)Micetich Isomerizations (Z to E) assisted by Dimethylformamide Dimethyl Acetal 34 (-)Chun M. Lau and Joseph H. Boyer 36 Neomarchantin A and B, New Macrocyclic Bisbenzyls from the Liverwort Schistochila glaucescens Motoo Tori, Toru Masuya, (-)and Yoshinori Asakawa 38 Reduction of Alka-2,4-dienoic Acids with Sodium Dithionite
 - J. Chem. Research (M). Where no such number is given, the paper as published in J. Chem. Research (S) is complete in itself, and there is no extra material in Part M.

N.B. The numbers in parentheses, prefaced by M, indicate the first frame occupied by the full-text version of the paper in

Francisco Camps, Josep Coll, and Josefa Guitart

(-)

Lancaster Catalogue

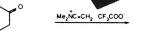
8990



6500 literature references to some 2000 items Illustrated by 1500 reaction flow-charts Semi-bulk and bulk quantity indications Extensive cross-referencing



A, is converted to the Mannich reagent, N,N-acetate, an excellent reagent for the α -dimethyl-ill. Soc. Chim. Fr., 2707 (1970). Compare dimethyl-31, p.423:



Deprotonation by lithium diisopropylamide at low temperature gives the unstable azomethine ylide, which undergoes 1,3-dipolar addition even with unactivated alkenes, to give pyrrolidines: *J.Chem.Soc.,Chem.Commun.*, 31 (1983):



7.60

30.40

50g

250a

Compare also N-methylmorpholine-N-oxide, 5957, p.710.

7854

Nickel acetylacetonate hydrate

[Nickel(II)2,4-pentanedionate hydrate]
F.W. 274,94, m.p. ca 285'(dec), [3264-82-2]

HARMFUL / POSSIBLE CARCINOGEN

Please ask for bulk prices (5Kg to 100Kg+)

Catalyst for a variety of useful coupling reactions, including:

にHュ′ ー」2 ins, including:

Conjugate addition of alkynylaluminium reagents to enones: J.Am.Chem.Soc., 100, 2244 (1978):

RC E CAIMe2

Ni(acac)₂

Conjugate addition of cis-alkenylzirconium reagents, from the hydrozirconation of alkynes, to Michael acceptors, with retention of configuration: *J.Am.Chem.Soc.*, **102**, 1333 (1980).

Coupling of Grignard reagents to give biaryls: *J.Org.Chem.*, **41**, 2252 (1976). Coupling of Grignard reagents with silyl enol ethers of both aldehydes and ketones, to give alkenes. In contrast to dichlorobis(triphenylphosphine)nickel, 0369, p.335, this reagent gives the thermodynamically more stable alkene: *Tetrahedron Lett.*, 3915 (1980):

PhMaBr

Ni(acac)2



Out Now!

UNITED KINGDOM

Lancaster Synthesis Ltd Eastgate, White Lund Morecambe, Lancs LA3 3DY Linkline: 0800-262336 Telephone: 0524-36101 FAX: 0524-39727 Telex: 65151 (LNCSYN G)

U.S.A. AND CANADA

Lancaster Synthesis Ltd. P.O. Box 1000 Windham New Hampshire 03087 Toll-free lines: 800-238-2324 Telephone: 603-889-3306 FAX: 603-889-3326

FRANCE

Lancaster Synthesis Ltd. 17 rue Vauban Zone Industrielle F-67450 Mundolsheim Strasbourg, France Telephone: 88-81-96-00 FAX: 88-20-27-19 Telex: 870551 (LNCSTRM F)

GERMANY

Lancaster Synthesis GmbH Querstraße 2 7640 Kehl, Germany Telephone: 07851-75176

JAPAN

Hydrus Chemical Inc.
Tomitaka Bldg. 8-1
Uchikanda 2-chome
Chiyoda-ku,
Tokyo 101, Japan
Telephone: (03) 258-5031
FAX: (03) 258-6535
Telex: 2324032 (Hydrus J)

ITALY

Farmitalia Carlo Erba S.p.A. Ufficio Vendite Via Imbonati 24 20159 Milano, Italy Telephone: 02-6995/2061-2081

