

Journal of Chemical Research, Issue 8, 1991

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 8, is reproduced below.

- 197 A New General Route to the Synthesis of [3.2.1] Bicyclic Synthons from Glycols **Hari Babu Mereyala and Kanamarlapudi C. Venkataramanaiah**
(M 1953)
- 198 Synthesis of Vinca Alkaloids and Related Compounds. Part 57. Synthesis of 1,12b-Di- and 1,1,12b-Tri-substituted Octahydro-indoloquinolizines **Ferenc Sóti, Mária Incze, Zsuzsanna Kardos-Balogh, Mária Kajtár-Peredy and Csaba Szántay**
(M 2001)
- 199 Effect of *cis*-Phosphine Ligands on Substitution Reactions of Sterically Hindered Square-planar *trans*-[NiBrLP₂] (L = *ortho*-substituted aryl) Complexes **Manuel Martinez and Guillermo Muller**
(M 2029)
- 200 Reaction of 4-Methylbenzenesulphonyl Chloride with Hydrophobic Carboxylate Ions: Micellar Effects
Hamad A. Al-Lohedan
(M 2066)
- 201 Acyl Migration from Nitrogen to Oxygen with Triphenylphosphine-Tetrahalogenomethane Reagent: Synthesis of Esters from 2-Amino Alcohols **Pradeep K. Dutta, Chandana Chaudhuri, Sukhendu B. Mandal, Ashis K. Banerjee, Satyesh C. Pakrashi and Basudeb Achari**
(M 2180)
- 202 Synthesis of Optically Active Synthons based on the 2,6-Dimethyloctane Skeleton **Emilio L. Ghisalberti, Edi Twiss and Phillip E. Rea**
(M 1901)
- 204 Reactivity of 4-Aminoazetidin-2-ones: Obtention of *gem*-Difunctional Derivatives by N-1—C-4 Cleavage **Christian Nisole, Philippe Uriac, Jean Huet and Loïc Toupet**
(M 1914)
- 206 Facile Synthesis of N-Protected Peptide Fragments using Polymer-bound 1-Hydroxybenzotriazole as an Active Ester **Shui-Tein Chen, Chung-Ho Chang and Kung-Tsung Wang**
(M 1967)
- 208 Dissociation of Hydrogen Peroxide Adducts in Solution: the Use of Such Adducts for Epoxidation of Alkenes **Antonio M. d'A. Rocha Gonsalves, Robert A. W. Johnstone, Mariette M. Pereira and Jacqueline Shaw**
(M 2101)
- 210 Reactivity of 4-Oxo-4*H*-1-benzopyran-3-carbaldehyde Oxime Promoted by Lanthanoid(III) Ions: a New Approach based on Statistical Techniques **Oliviero Carugo and Carla Bisi Castellani**
(M 1976)
- 212 Crystal Structures of *meso*- and (\pm)-2,3-Dicyano-2,3-diphenylbutane and 3,4-Dicyano-3,4-diphenylhexane **Yu-Lin Lam, Lip-Lin Koh and Hsing-Hua Huang**
(M 2119)
- 214 Epoxidation *versus* Oxidation of Steroidal γ -Hydroxy- $\alpha\beta$ -unsaturated Ketones in Vanadium-catalysed Reactions **Erwin Glotter and Marloara Mendelovici**
(M 2201)
- 216 Free-radical Reaction of Dimethyl 2-Vinylcyclopropane-1,1-dicarboxylate with Alkenes mediated by Tributyltin Radicals
Che-Ping Chuang, Sheng-Shu Hou and Tak Ho Johnny Ngoi
(—)
- 218 Scutellarein 6-*O*- α -L-Rhamnopyranosyl(1 \rightarrow 2)- β -D-galactopyranoside: a New Flavone Diglycoside from *Ficus infectoria* **Neeru Jain, Mansoor Ahmad, Mohammad Kamil and Mohammad Ilyas**
(—)
- 220 Effect of Metal Ion Complexation on the Acid Dissociation of 4'-Carboxybenzo-15-crown-5 in 52% (w/w) Ethanol-Water **Robert J. M. Hedderwick, Frank Hibbert and (the late) Victor Gold**
(—)
- 222 Structural Properties of Halogenotrimethylplatinum(IV) Complexes with [*o*-(Methylthio)phenyl]diphenylphosphine **Edward W. Abel, David Ellis, Keith G. Orrell and Vladimir Šik**
(—)
- 224 Differential Shielding of Diastereotopic Groups in Phosphonate Esters induced by Alkali Metal Ions **Agnes M. Modro, Philippus L. Wessels and Tom A. Modro**
(—)
- 226 Thermally Induced Sulphur Scrambling in 1,2-Dithiole-3-thione. A Study of ³⁴S-Isotopomers
Helge Egsgaard and Lars Carlsen
(—)
- 228 Dissolution of Metals in Halogen-Cetylpyridinium Halide-Benzene Systems
Yukimichi Nakao
(—)
- 230 A New Macrocyclic Bisbibenzyl Diether, Marchantinquinone, from the Liverwort *Mannia subpilosa* **Han-Chao Wei and Chia-Li Wu**
(—)

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



Lancaster Catalogue

89/90

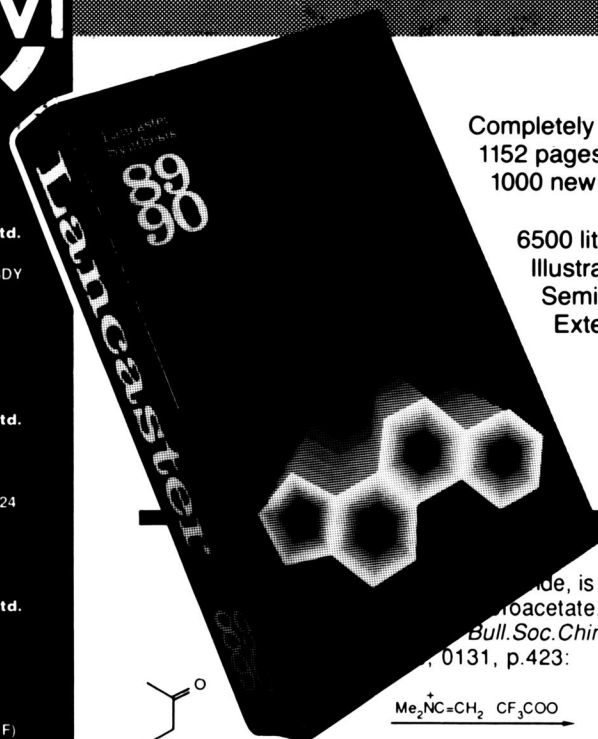
UNITED KINGDOM
Lancaster Synthesis Ltd.
Eastgate, White Lund,
Morecambe, Lancs. LA3 3DY
Freelane: 0800-262336
Telephone: 0524-36101
Fax: 0524-39727
Telex: 65151 (LNC SYN G)

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.
15 rue de l'Atome Z.I.,
67800 Bischheim,
Strasbourg
Telephone: 88-62-26-90
Fax: 88-62-26-81
Telex: 870551 (LNCSTRM F)

GERMANY
Deutsche MTM Chemie GmbH.
Laemmerspieler Straße 100A,
6052 Muhlheim am Main,
Telephone: 06108 73 019
Fax: 06108 74 814

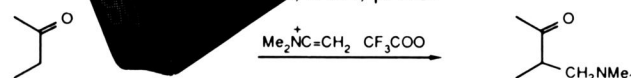
JAPAN
Hydrus Chemical Inc.
Tomitaka Bldg. 8-1,
Uchikanda 2-chome,
Chiyoda-ku,
Tokyo 101.
Telephone: (03) 258-5031
Fax: (03) 258-6535
Telex: 2324032 (HYDRUS J)



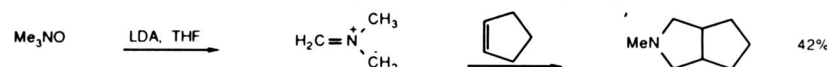
Completely revised
1152 pages
1000 new items

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

... is converted to the Mannich reagent, N,N-dimethylacetamide, an excellent reagent for the α -dimethyl-
Bull. Soc. Chim. Fr., 2707 (1970). Compare dimethyl-
J. Chem. Soc. Chem. Commun., 0131, p.423:

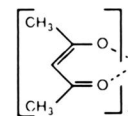


Deprotonation by lithium diisopropylamide at low temperature gives the unstable azomethine ylide, which undergoes 1,3-dipolar addition even with unactivated alkenes, to give pyrrolidines: *J. Chem. Soc., Chem. Commun.*, 31 (1983):



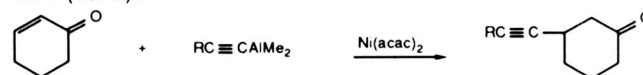
Compare also N-methylmorpholine-N-oxide, 5957, p.710.

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+)



	£
50g	7.60
250g	30.40

Catalyst for a variety of useful coupling reactions, including:
Conjugate addition of alkynylaluminium reagents to enones: *J. Am. Chem. Soc.*, 100, 2244 (1978):



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, this reagent gives the thermodynamically more stable alkene: *Tetrahedron*, 36, 2095 (1980):



SEND NOW
MAKE SURE YOU HAVE
YOUR PERSONAL COPY

LANCASTER SYNTHESIS - PART OF MTM RESEARCH CHEMICALS