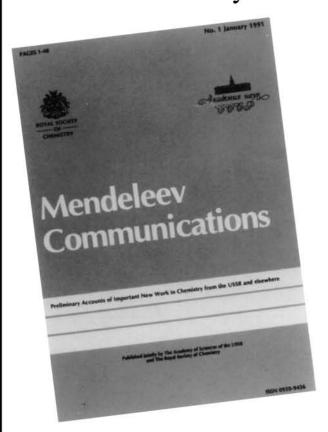
MENDELEEV COMMUNICATIONS

Preliminary Accounts of Important New Work in Chemistry from the USSR and Elsewhere



- A prestigious new journal to be launched in January 1991
- The result of a collaborative venture between The Academy of Sciences of the USSR and The Royal Society of Chemistry
- Similar in scope and content to its highly successful 'sister' publication – Chemical Communications
- Primary publication in English of original Soviet Chemistry
- Two stages of rigorous refereeing to maintain the highest possible standards
- Rapid publication of papers within three months of receipt in the UK
- News section containing details of forthcoming international conferences, letters, and information about The Academy of Sciences of the USSR

For further information, please contact:

The Sales and Promotion Department, Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge CB4 4WF, United Kingdom.

Telephone: (0223) 420066. Fax: (0223) 423623. Telex: 818293 ROYAL





Information Services

Lancaster Catalogue

Lancaster Catar

89/90

UNITED KINGDOM

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

U.S.A. AND CANADA Lancaster Synthesis Ltd. P.O. Box 1000,

P.O. Box 1000, Windham, New Hampshire 03087 Toll-free lines: 800-238-2324 Telephone: 603-889-3306

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. Läemmerspieler Straße 100A, 6052 Mühlheim 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

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

CH₂NMe₂

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):

Me₃NO

Me2NC=CH2 CF3COO

42%

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+) OH3 SOUR 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)nicke reagent gives the thermodynamically more stable alkene: *Tetrah* (1980):



PhMgBr

Ni(acac)₂

R P

SEND NOW

MAKE SURE YOU HAVE
YOUR PERSONAL COPY

LANCASTER SYNTHESIS - PART OF MTM RESEARCH CHEMICALS