

# A NEW BOOK FOR *Biochemists.*

## Topics in Lipid Research From Structural Elucidation to Biological Function

Edited by R. A. Klein and B. Schmitz  
Molteno Institute, University of Cambridge

Over the last decade many lipid chemists and biochemists have made a conscious effort to move from purely structural investigations to those which throw more light on the biological function of lipid molecules.

For many years lipids were considered to be molecules containing just C, H and O, related to fatty acids and hydrocarbons, with high oil-water partition coefficients; more recently, however, it has been realised that the more complex structures such as glycolipids and lipoproteins, and

indeed glycolipoproteins, are fascinating both as structural challenges and as functional elements of the cell.

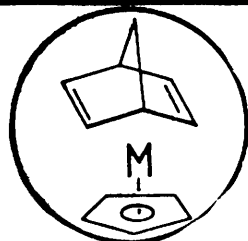
This book includes both reviews and research papers dealing with developments in the following areas: Platelet Activating Factor; Eicosanoids; Glycolipids; Probes and Anaesthetics; Membrane Structure and Function; Environmental Adaptation.

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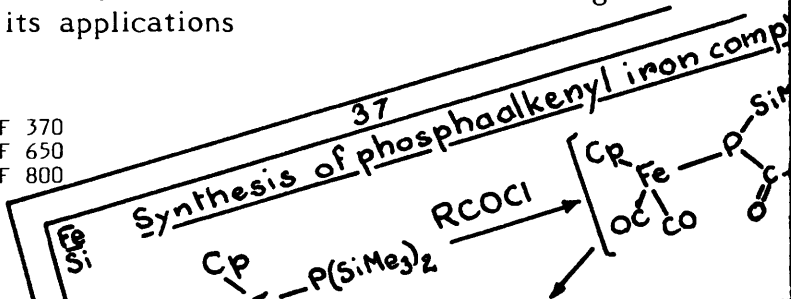
point out the main recent results in the field of Organometallic Chemistry and its applications

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Key words Pd  
Cu

Reaction diagram

Bibliographic details

Unsaturated alkoxy esters from 1,3-dienes.

R-CH=CH-CH=CH<sub>2</sub> + CO + MeOH  $\xrightarrow[\text{Aliquat 336, 1 atm., R.T.}]{\text{PdCl}_2 (0.1 \text{ eq.}), \text{CuCl}_2 (0.8 \text{ eq.}), \text{O}_2}$  R-CH(OMe)-CH=CH-CH(OMe)-CO<sub>2</sub>Me (42%) + R-CH(OMe)-CH=CH-CH<sub>2</sub> (35%)

FERGUSSON, S.B. and ALPER, H.  
J. Mol. Catal., 1986, 34 (3), 381-384.

Pd Sulfur ylides complexes.



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