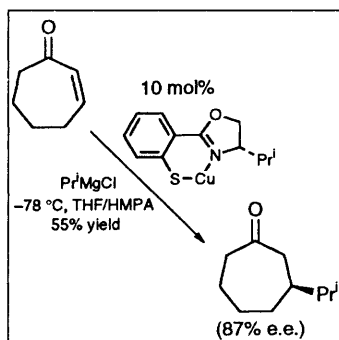


# Contemporary Organic Synthesis

*A journal of current developments in Organic Synthesis*

VOLUME 2 NUMBER 2

## CONTENTS

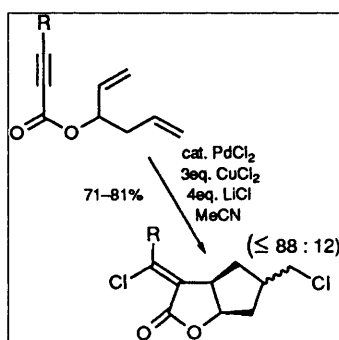


## Catalytic applications of transition metals in organic synthesis

65

**By Christopher G. Frost and  
Jonathan M. J. Williams**

*Reviewing the literature published between  
1 September 1993 and 31 August 1994*

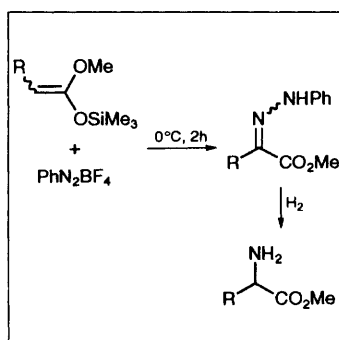


## Organic halides

85

**By Peter L. Spargo**

*Reviewing the literature published between  
1 July 1993 and 30 June 1994*

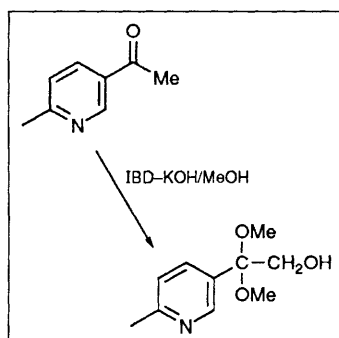


## Carboxylic acids and esters

107

**By T. Harrison and T. Laduwahetty**

*Reviewing the literature published between  
1 January 1993 and 31 July 1994*



Hypervalent iodine in organic synthesis: 121

## $\alpha$ -functionalization of carbonyl compounds

**By Om Prakash, Neena Saini,  
Madan P. Tanwar, and M. Moriarty**

*Reviewing the literature published up to February 1995*

## Cumulative Contents of Volume 2

### Number 1

- 1 Aromatic heterocycles as intermediates in natural product synthesis (*up to the end of 1993*)  
**Michael Shipman**
- 19 The hydrometallation, carbometallation, and metallometallation of heteroalkynes (*up to August 1994*)  
**Sharon Casson and Philip Kocienski**
- 35 Serotonin, sumatriptan, and the management of migraine **Alexander Oxford**
- 43 Stoichiometric organotransition metal complexes in organic synthesis (*1 September 1993 to 31 August 1994*) **Julian Blagg**

### Number 2

- 65 Catalytic applications of transition metals in organic synthesis (*1 September 1993 to 31 August 1994*)  
**Christopher G. Frost and Jonathan M. J. Williams**
- 85 Organic halides (*1 July 1993 to 30 June 1994*) **Peter L. Spargo**
- 107 Carboxylic acids and esters (*1 January 1993 to 31 July 1994*) **T. Harrison and T. Laduwahtetty**
- 121 Hypervalent iodine in organic synthesis:  $\alpha$ -functionalization of carbonyl compounds (*up to February 1995*)  
**Om Prakash, Neena Saini, Madan P. Tanwar, and M. Moriarty**

### Articles that will appear in forthcoming issues include

Ene-diyne **D. Grierson**

Acylation and alkylation of aromatics and heteroaromatics **H. Heaney**

Aldehydes and ketones **P. Steel**

$\alpha$ -Cations of amino acids **P. D. Bailey, A. N. Boa, and J. Clayson**

Saturated and unsaturated hydrocarbons **R. P. C. Cousins**

Saturated nitrogen heterocycles **T. Harrison**

Nitro and related nitrogen based functional groups **G. M. Robertson**

Imines and related nitrogen based functional groups **G. M. Robertson**

Synthesis and use of cyclic peroxides **K McCullough**

Synthetic developments in host–guest chemistry **Jeremy D. Kilburn**