

Special Issues on Organic Synthesis

List of Contributions

Volume 74

January–February 1994

Number 1

Jesus J. Juarez-Brambila and Bakthan Singaram	Use of mesityllithium in the α -alkylation reaction of B-alkyl-9-borabicyclo [3.3.1]nonanes
Brindaban C. Ranu Sanjay Bhar Rupak Chakraborty Asish Ranjan Das Manika Saha Arunkanti Sarkar Ratna Chakraborti and Dipak C. Sarkar	Surface-mediated reaction—A powerful technique in organic synthesis. Use of alumina and silica gel as active surface for useful synthetic transformations
Pemmaraju N. Rao C. Kirk Acosta Dorothy M. Peterson and Hyun K. Kim	Synthesis of new immunogens for the development of radioimmunoassay of levonorgestrel and its 3-oximes
S. Chattopadhyay and V. R. Mamdapur	Synthesis of chiral insect pheromones
Arpita Datta Gupta Debnath Bhuniya and Vinod K. Singh	Recent aspects of enantioselective epoxidation reactions
Subrata Ghosh and Subrata Sarkar	Recent developments in the synthesis of taxane diterpenes
Sanjay Jain Rahul Jain Jujhar Singh and Nitya Anand	Lactam acetals: Part XXIII. Synthesis of lactam spirocyclic acetals and their use in ω -hydroxy-alkylation reactions
Janet A. Gaboury and Mukund P. Sibi	Synthesis of tetrahydrofuran lignans
Mariappan Periasamy Ch. Kishan Reddy and J. V. Bhaskar Kanth	Synthetic applications of $\text{BI}_3:\text{N}(\text{C}_2\text{H}_5)_2\text{Ph}$ complex
A. Srikrishna K. Krishnan and S. Nagaraju	A methodology for the synthesis of cyclopentanoid natural products containing two vicinal quaternary carbon atoms
Mugio Nishizawa and Hidetoshi Yamada	Synthesis and structure revision of intensely sweet saponin, osladin

M. Pulla Reddy and
M. Nagarajan

Synthesis of 5α , 8 $\alpha\beta$ -dimethyl and 2, 5α , 8 $\alpha\beta$ -trimethyl-6 β , 7 β -O-methylethylened-4 α ,5,6,7,8,8a-hexahydro-1(4H)-naphthalenones: AB ring precursors for quassinoïd synthesis

Asmita Mittra
Sujay Biswas and
R. V. Venkateswaran

Ring opening of cyclobutabenzofuranones with TMSI: Facile formation of benzoxepinones

R. S. Mali
Y. T. Bodkhe and
N. V. Gulati

Pentaoxygenated berbines: Total synthesis of (\pm) O-methylcapauridine and (\pm) O,O'-dimethylstephaninamine

Sanjay Batra and
A. P. Bhaduri

An account of the chemistry of 3,4-disubstituted-5-isoxazolones

D. Basavaiah
T. K. Bharathi and
P. Rama Krishna

(1R, 2R)-2-Phenoxyxyclohexan-1-ol as chiral auxiliary: Enantioselective synthesis of frontalin

Mukund S. Chorghade and
Elaine C. Lee

Progress of an anti-convulsant drug from discovery to manufacture

K. Nagarajan
J. Chandrasekharan and
P. J. Rodrigues

Some observations on the enantio- and diastereo-selective synthesis of 1-substituted-1,2,3,4-tetrahydro isoquinolines

Sujata V. Bhat

Synthesis and applications of sulphenes

S. K. Paknikar
J. Bhattacharjee and
K. K. Nadkarni

A single-step synthesis of ayapin, limmettin, scoparone, leptodactylone, fraxinol, isoscopoletin, 5,6,7-trimethoxy coumarin and 7-methoxy-8-hydroxy coumarin

M. K. Gurjar
G. Vishwanadham and
Laxmi Ghosh

Synthesis of the trisaccharide segment of phenolic glycolipid from *Mycobacterium tuberculosis* (strain Canetti)

Pradeep Kumar
Rajiv Kumar and
Bipin Pandey

Oxidative organic transformations catalysed by titanium silicate molecular sieves

Y. Jayamma
E. Nandanan and
B. B. Lohray

Emerging applications of asymmetric dihydroxylation chemistry

T. K. Sarkar

Diastereoselection and diastereofacial selection in 5-(3,4)ene cyclizations: Recent studies and applications in organic synthesis

B. Gita and G. Sundararajan	Vinylidene complexes in organic synthesis
J. Madhusudana Rao and T. Bharathi Rao	Asymmetric synthesis using phase transfer catalysis
S.K. Nayak S.M. Kadam S. Talukdar and A. Banerji	Low-valent titanium: New synthetic applications
Javed Iqbal Beena Bhatia and Vibha Khanna	Cobalt carbonyls: A versatile reagent and catalyst in organic synthesis
I.N. Narayanan Namboothiri and S.N. Balasubrahmanyam	Transformations in bromo-and alkoxy- benzotropones
T.R. Kasturi and J.A. Sattigeri	Chemistry of spirodienones—A brief overview
H. Mohindra Chawla and K. Srinivas	Synthesis of new fluorescent ionophores. First examples of calix-coumarin analogs
P. Bijoy R.G. Naik Uma Shivkumar and G.S.R. Subba Rao	Total synthesis of ring-A aromatic steroids