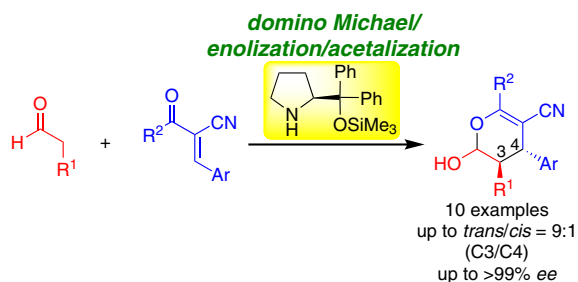


Special Issue

to Celebrate the 75th Birthday
of Prof. Brindaban C. Ranu

Editor: Prof. Dr. Debabrata Maiti

Guest editor: Dr. Sukalyan Bhadra



**Enantioselective Synthesis of Substituted Dihydropyrans by
Organocatalyst-Mediated Domino Michael/Enolization/
Acetalization Reactions**

Y. Hayashi, X. Han, W. R. Hack

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Novel Organosulfur Building Blocks for Heterocycle Synthesis

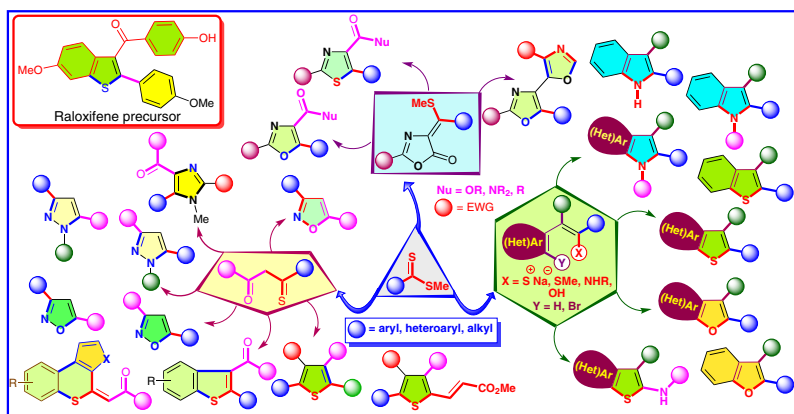
Account

Synlett 2024, 35, 2251–2272
DOI: 10.1055/a-2413-0696

S. Peruncheralathan
H. Ila*

New Chemistry Unit, Jawaharlal
Nehru Centre for Advanced Sci-
entific Research, India

2251



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Photo- and Electrochemical Organic Transformations Involving Radical
Pathway: A Retrospection of Our Green-Chemistry-Inspired Synthetic
Endeavours

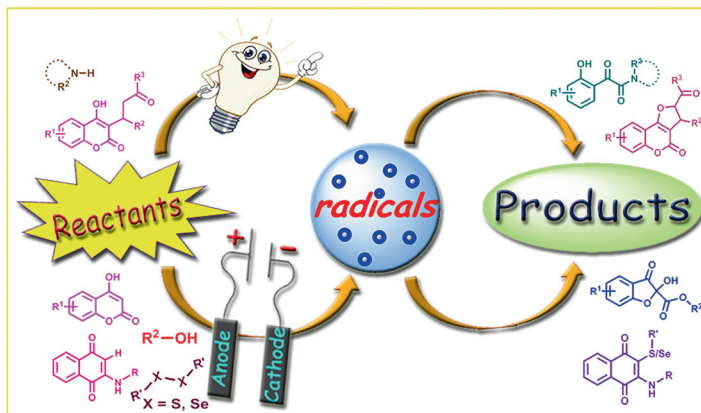
Account

Synlett 2024, 35, 2273–2288
DOI: 10.1055/s-0043-1775382

G. Brahmachari*

Visva-Bharati (a Central University),
India

2273



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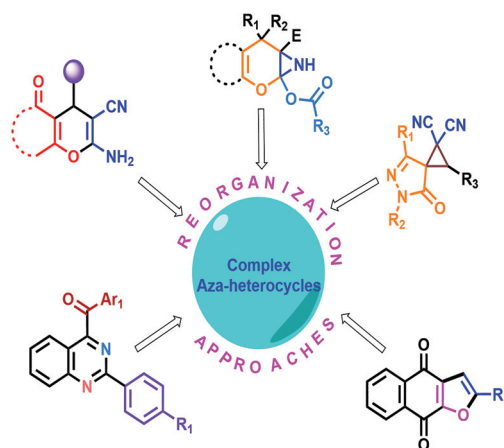
Skeletal Reorganization: Approaches towards the Synthesis of Aza-Heterocyclic Cores

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2289

Synlett 2024, 35, 2289–2296
DOI: 10.1055/a-2384-6583D. Das
R. D. Mandal
P. Mukherjee
P. Bhattacharya
A. R. Das*

University of Calcutta, India

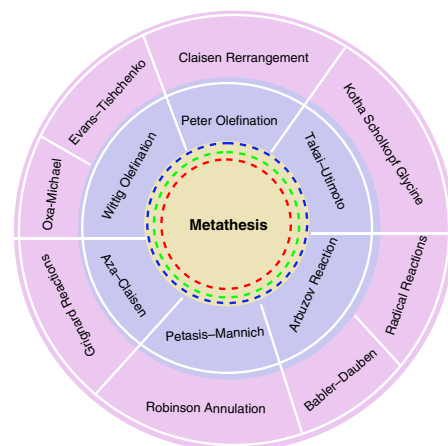


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Design of Molecular Diversity by Olefin Metathesis in Tandem with Other Reactions

Account

2297

Synlett 2024, 35, 2297–2330
DOI: 10.1055/a-2379-9912S. Kotha
N. K. Gupta
S. Ansari
D. SinghSVKM'S NMIMS (Deemed-to-be)
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Synlett

Mechanochemistry: A Resurgent Force in Chemical Synthesis

Account

2331

Synlett 2024, 35, 2331–2345
DOI: 10.1055/a-2422-0992

N. Mukherjee*

KTH, School of Engineering Sciences in Chemistry, Biotechnology and Health (CBH),
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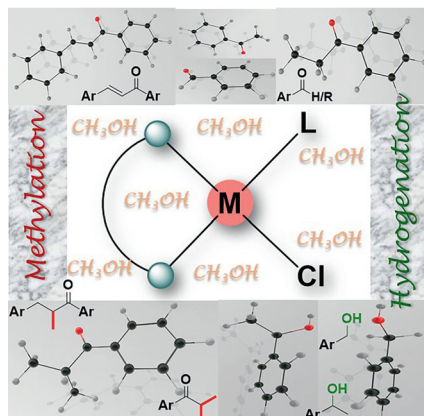
Synlett 2024, 35, 2346–2366
DOI: 10.1055/s-0043-1775409M. S. Padmor
S. Pratihari*

Academy of Scientific and Innovative Research (AcSIR), India

Methanol for Hydrogenation and Methylation of Carbonyls:
Advances and Challenges in Homogeneous Catalysis

Account

2346

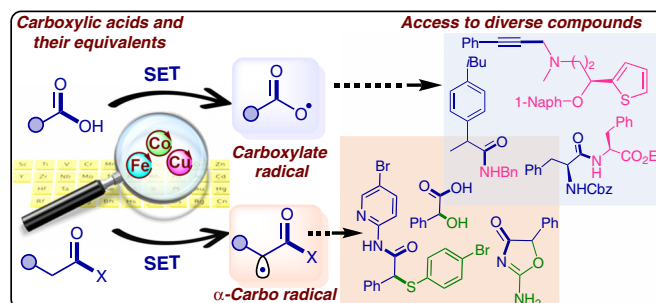


Synlett

Synlett 2024, 35, 2367–2377
DOI: 10.1055/a-2417-1070R. D. Shinde
U. K. Patel
S. Bhadra*Inorganic Materials and Catalysis
Division, CSIR-Central Salt and
Marine Chemicals Research Insti-
tute, India3d-Metal-Catalyzed Single-Electron-Transfer-Induced Conversion of
Carboxylic Acids and Their Equivalents

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2367

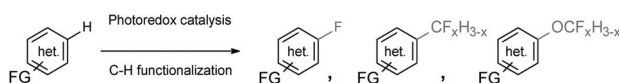


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Synlett 2024, 35, 2378–2384
DOI: 10.1055/a-2377-0629J. F. Goebel
S. Manna
P. Satta
N. V. Tzouras
L. J. Gooßen*Evonik Chair of Organic Chemis-
try Ruhr-Universität Bochum,
GermanyIntroduction of Fluorinated Groups via Photoredox-Catalyzed C–H
Functionalization of (Hetero-)Arenes

Account

2378



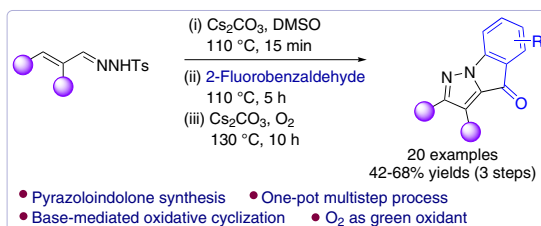
H. S. Korawat
M. K. Saini
K. Prajapati
M. S. Singh*
A. K. Basak*

Banaras Hindu University, India

One-Pot Expedient Synthesis of Pyrazoloindolones via Base-Promoted Electrocyclization, C–N Coupling and Intramolecular Oxidative Cyclization

Letter

2385

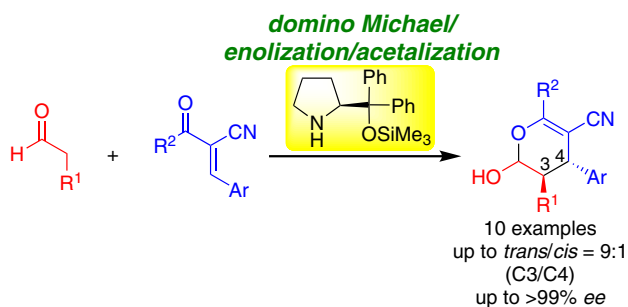
Y. Hayashi*
X. Han
W. R. Hack

Tohoku University, Japan

Enantioselective Synthesis of Substituted Dihydropyrans by Organocatalyst-Mediated Domino Michael/Enolization/Acetalization Reactions

Letter

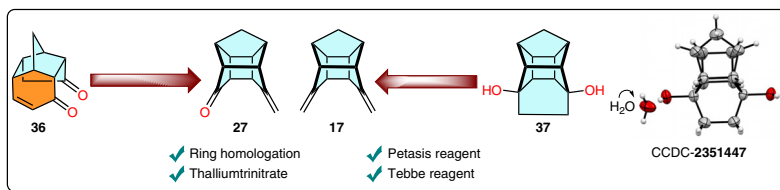
2391

S. Kotha*
M. SalmanIndian Institute of Technology,
India

Synthesis and Reactions of Pentacycloundecane Derivatives Related to Cookson's Dione

Letter

2397



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Synlett 2024, 35, 2403–2408
DOI: 10.1055/a-2377-0230

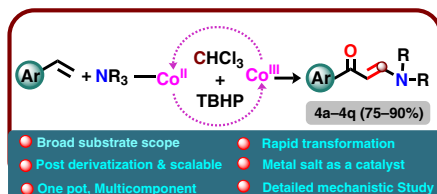
S. Sau
K. M. Das
S. Ghosh
A. Thakur*

Jadavpur University, India

Cobalt(II)-Catalyzed Proficient Synthesis of Enaminones from Aryl Alkenes and Amines

Letter

2403



Synlett

Synlett 2024, 35, 2409–2416
DOI: 10.1055/a-2384-6371

K. Anchal
A. R. Patel
S. Banerjee*

Department of Chemistry Guru
Ghasidas Vishwavidyalaya, India

NiCo₂O₄-Nanoparticle-Catalyzed Microwave-Assisted Dehydrogenative Direct Oxidation of Primary Alcohols to Carboxylic Acids under Oxidant-Free Conditions

Letter

2409



Synlett

Synlett 2024, 35, 2417–2422
DOI: 10.1055/a-2379-9191

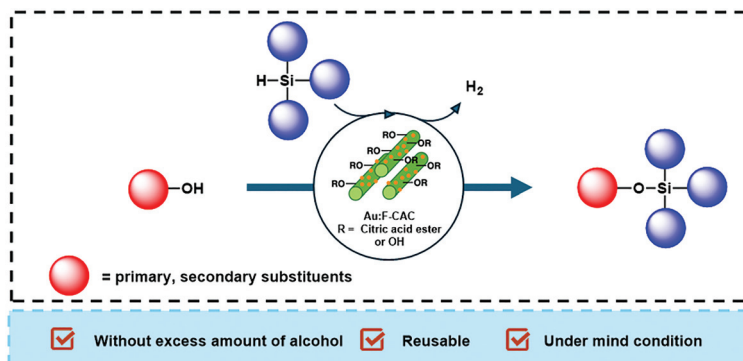
B. Suwattananuruk
Y. Uetake
H. Sakurai*

Osaka University, Japan

Dehydrosilylation of Alcohols Using Gold Nanoparticles Deposited on Citric Acid Modified Fibrillated Cellulose

Letter

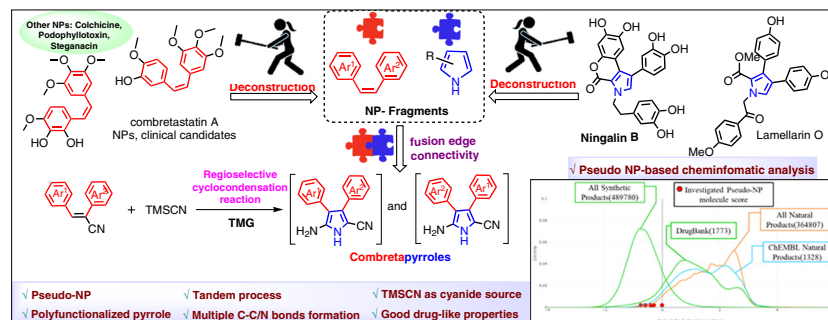
2417



D. Singha
T. Kundu
A. Acharya
S. K. Guchhait*

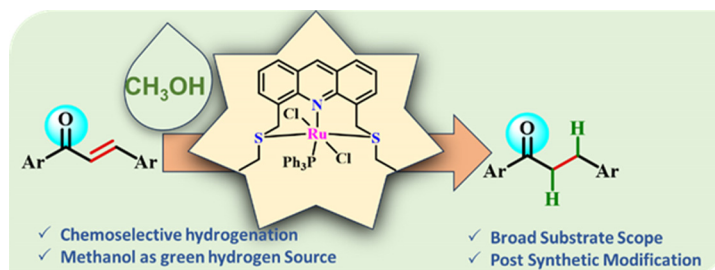
Department of Medicinal Chemistry, National Institute of Pharmaceutical Education and Research (NIPER), India

Synthesis of Diarylpyrrole Pseudo-Natural Products: Cyanide-Mediated Nitrile-to-Nitrile Cyclocondensation and C–H Acidity-Guided Regioselectivity

K. Mohar
H. J. Phukan
A. Mondal
K. Soni
D. Srimani*

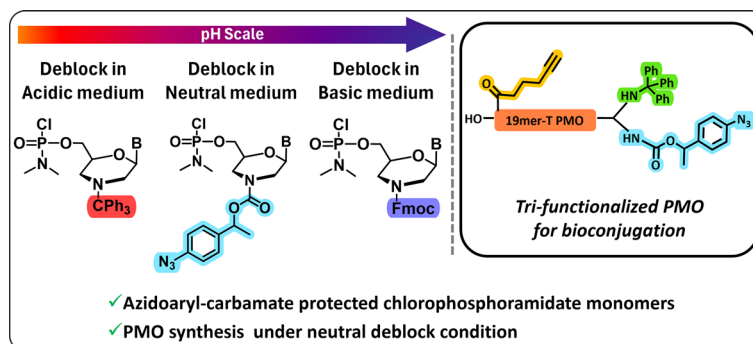
Indian Institute of Technology, India

Activating Methanol for Chemoselective Transfer Hydrogenation of Chalcones Using an SNS-Ruthenium Complex

S. Pratihari
M. Qasim
S. Sinha*

School of Applied and Interdisciplinary Sciences, India

Synthesis of Phosphorodiamidate Morpholino Oligonucleotides (PMOs) Using Staudinger Reduction as a Deblocking Condition and Its Usefulness for Orthogonal Conjugation in Bi- and Trifunctionalized PMOs



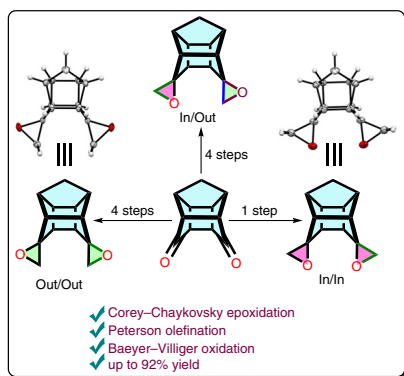
Synlett

Synlett 2024, 35, 2441–2446
DOI: 10.1055/a-2384-6736S. Kotha*
M. Salman
SVKM's NMIMS (Deemed-to-be)
University, India

Design and Synthesis of Out/Out, Out/In, and In/In Epoxides in Polycyclic Cage Frameworks

Letter

2441



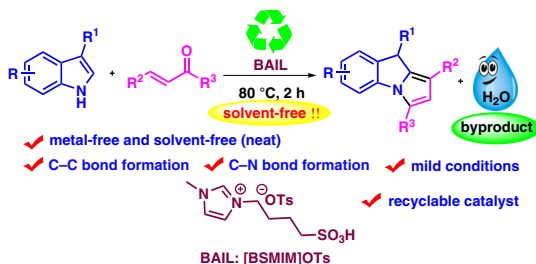
Synlett

Synlett 2024, 35, 2447–2452
DOI: 10.1055/a-2412-9738T. Pramanik
S. Pal
S. Santra
A. Majee*
Visva-Bharati (A Central University), India

Brønsted Acidic Ionic Liquid: An Efficient Organocatalyst for the Synthesis of Pyrrolo[1,2-a]indoles under Neat Conditions

Letter

2447



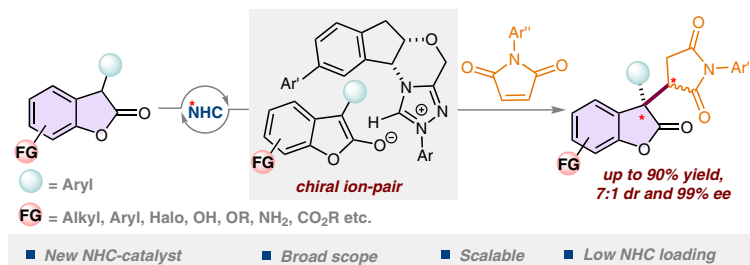
Synlett

Synlett 2024, 35, 2453–2458
DOI: 10.1055/a-2403-2383B. D. Mondal
S. Gorai
J. Guin*
School of Chemical Sciences,
India

Asymmetric Intermolecular Conjugate Addition of 3-Substituted 2-Benzofuranones to Maleimides via Noncovalent NHC Catalysis

Letter

2453



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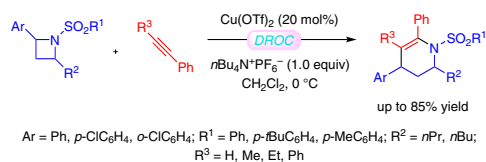
Synlett 2024, 35, 2459–2464
DOI: 10.1055/a-2422-1263D. Shukla
S. Singh
A. K. Sharma
B. Singh
A. Bhattacharyya
R. Talukdar
M. K. Ghorai*

Department of Chemistry, Indian Institute of Technology, India

Lewis Acid Catalyzed Domino Ring-Opening Cyclization of Azetidines with Alkynes: Synthesis of Tetrahydropyridines

Letter

2459



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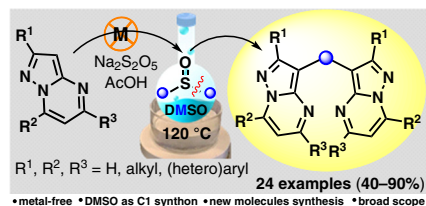
Synlett 2024, 35, 2465–2470
DOI: 10.1055/a-2422-1416P. Pattanayak
A. N. Satyanarayana
S. Saha
H. S. Keerthana
A. Naresh
Y. K. Girase
T. Chatterjee*

Department of Chemistry, Birla Institute of Technology and Science, Pilani (BITS Pilani), India

Sodium Metabisulfite Mediated Synthesis of Bis(pyrazolo[1,5-*a*]pyrimidin-3-yl)methanes from Pyrazolo[1,5-*a*]pyrimidines with Dimethyl Sulfoxide as a C1 Synthron

Letter

2465



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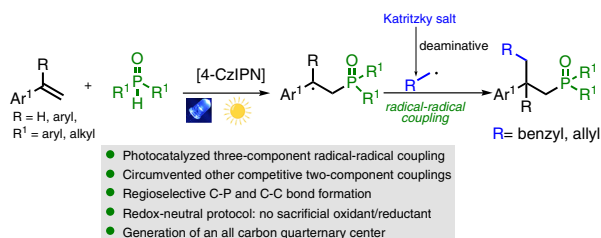
Synlett 2024, 35, 2471–2476
DOI: 10.1055/a-2427-7689S. Das
A. Banerjee
P. Das
R. Jana*

Organic and Medicinal Chemistry Division, CSIR-Indian Institute of Chemical Biology, India

Visible-Light Organophotoredox-Catalyzed Phosphonoalkylation of Alkenes via Deaminative Three-Component Radical–Radical Coupling

Letter

2471



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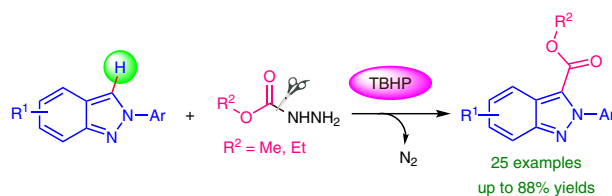
Synlett 2024, 35, 2477–2481
DOI: 10.1055/a-2316-5066D. Lai
S. Bhattacharjee
S. Ghosh
S. Sinha
A. Hajra*

Visva-Bharati (A Central University), India

Metal-Free Synthesis of C-3-Alkoxy-carbonylated 2H-Indazoles Using Alkyl Carbazates

Letter

2477



- metal-free & additive-free
- room temperature
- low-cost protocol
- synthetic transformations

Synlett

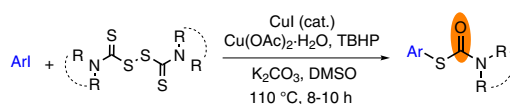
Synlett 2024, 35, 2482–2486
DOI: 10.1055/a-2375-7696S. Mondal
D. Patra
A. Saha*

Jadavpur University, India

Thiuram Disulfide Mediated Copper-Catalyzed C–S Cross-Coupling: Synthesis of S-Thiocarbamate Compounds

Letter

2482



- air and moisture tolerance
- operational simplicity
- easily available reagents/starting materials

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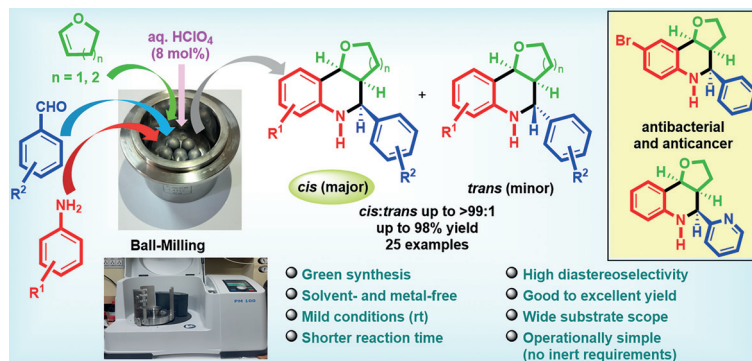
Synlett 2024, 35, 2487–2495
DOI: 10.1055/a-2378-1847K. Roy
A. Saha
S. Sahoo
S. Banerjee
C. D. Mukhopadhyay
S. Banerjee
L. Adak*

Department of Chemistry, India

Reaction under Ball-Milling: Solvent- and Metal-Free One-Pot Diastereoselective Synthesis of Tetrahydroquinoline Derivatives as Potential Antibacterial and Anticancer Agents

Letter

2487



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Synlett 2024, 35, 2496–2502
DOI: 10.1055/a-2388-9487

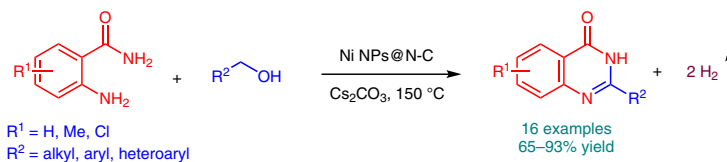
M. Vageesh
O. Patil
P. Hima
R. Dey*

National Institute of Technology,
India

Acceptorless Dehydrogenation under Neat Reaction Conditions: Synthesis of 2-Aryl/Alkyl Quinazolinones Using Supported Ni NPs as Catalyst

Letter

2496



Moderate to good yield

Broad functional group tolerance

Inexpensive catalyst precursors

Synlett

Synlett 2024, 35, 2503–2507
DOI: 10.1055/a-2388-9578

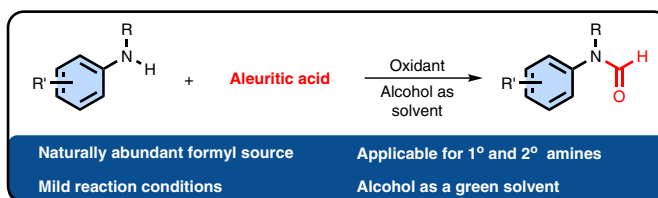
H. A. Vadariya
G. Badhani
B. M. Farves
K. N. Boda
S. Adimurthy*

Academy of Scientific & Innovative
Research (AcSIR), India

Sustainable *N*-Formylation of Anilines: Harnessing Aleuritic Acid as a Renewable Formyl Source

Letter

2503



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Synlett 2024, 35, 2508–2514
DOI: 10.1055/a-2384-6655

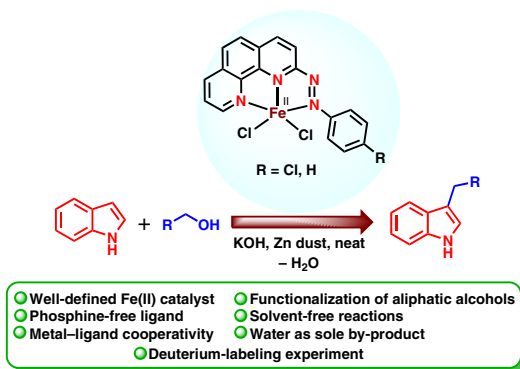
S. Chakraborty
S. Mandal*
N. D. Paul*

Department of Chemistry, Indian
Institute of Engineering Science
and Technology, India
Department of Chemistry, Banarilal
Bhalotia College, India

Fe(II)-Catalyzed Metal–Ligand Cooperative Approach for Selective C3-Alkylation of Indoles

Letter

2508



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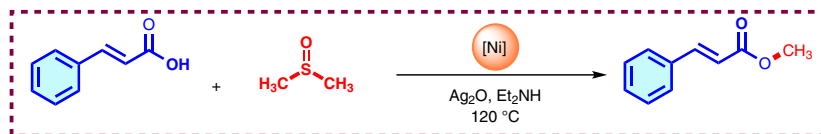
Synlett 2024, 35, 2515–2519
DOI: 10.1055/a-2384-6807H. Talukdar
P. Phukan*

Gauhati University, India

Nickel-Catalyzed *O*-Methylation of Cinnamic Acid Using DMSO as Methyl Surrogate

Letter

2515



- Cheap catalyst
- DMSO as methyl source
- Good functional-group tolerance
- Moderate to high reaction yield

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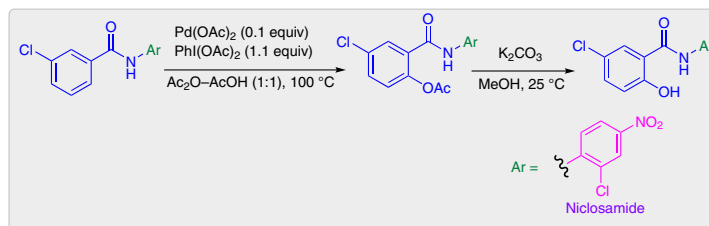
Synlett 2024, 35, 2520–2524
DOI: 10.1055/a-2416-2329R. Gundamalla
R. Bantu
B. Sridhar
B. V. Reddy*

Fluoro-Agrochemicals, CSIR-Indian Institute of Chemical Technology, India

C–H Activation: A Versatile Tool for the Synthesis of Niclosamide and Its Derivatives

Letter

2520



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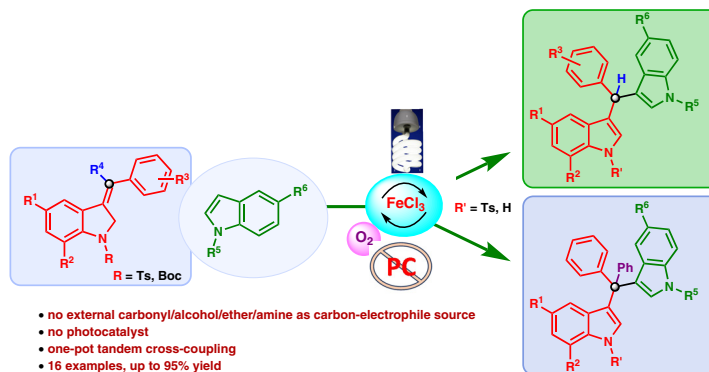
Synlett 2024, 35, 2525–2531
DOI: 10.1055/a-2403-5390K. Mandal
G. Rana
A. Nur
S. Ghosh
U. Jana

Jadavpur University, India

Visible-Light-Induced Iron(III)-Catalyzed Synthesis of Unsymmetrical Bis(indolyl)methanes through Hydrogen Atom Transfer

Letter

2525

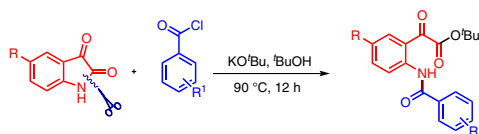


- no external carbonyl/alcohol/ether/amine as carbon-electrophile source
- no photocatalyst
- one-pot tandem cross-coupling
- 16 examples, up to 95% yield

Synlett 2024, 35, 2532–2536
DOI: 10.1055/a-2413-0350

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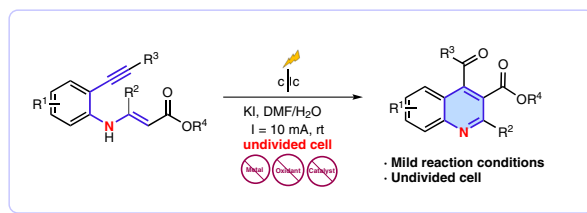


- Mild reaction conditions and easy handling
- Broad substrate scope
- Cascade reaction
- 29 examples, up to 71% yield

Synlett 2024, 35, 2537–2541
DOI: 10.1055/a-2388-9743

M. Fatma
F. A. Khan*

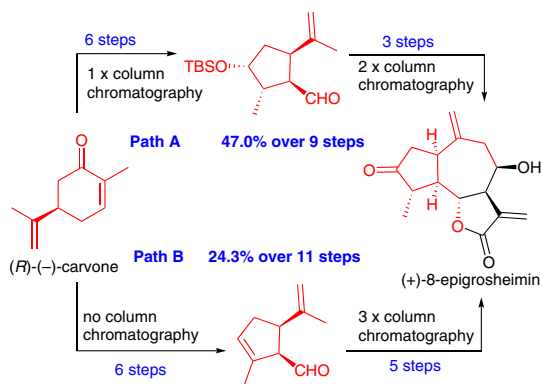
Department of Chemistry, Indian Institute of Technology Hyderabad, India



Synlett 2024, 35, 2542–2546
DOI: 10.1055/a-2413-0587

D. Maity
R. Maity
M. Jana
S. Hajra*

Centre of Biomedical Research, Sanjay Gandhi Post-Graduate Institute of Medical Sciences Campus, India



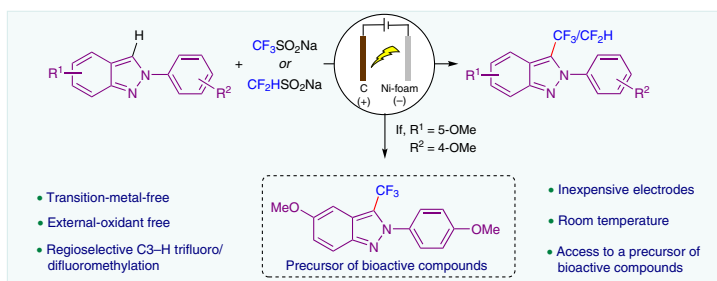
M. Behera
A. K. Sahu
S. Y. Shukla
R. G. Bhat*

Department of Chemistry, Indian Institute of Science Education and Research (IISER) Pune, India

Electrochemically Promoted Regioselective C3–H Trifluoro/Difluoromethylation of 2H-Indazoles at Room Temperature

Letter

2547

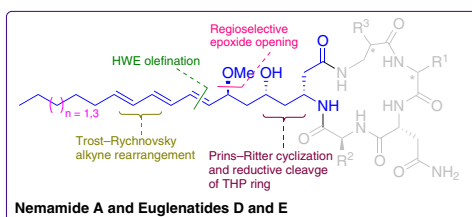
H. Sharma
S. Paul
R. K. Goswami*

School of Chemical Sciences, Indian Association for the Cultivation of Science, India

Stereoselective Synthesis of Polyketide Segments of Nemamide A and Euglenatides D–E

Letter

2554

N. S. Kumar
R. Gattu
B. J. Ramulu
S. Ghosh

CSIR - Indian Institute of Chemical Technology, India

Studies toward the Synthesis of Colletotrichamide A: Construction of the C19–C30 Segment of the Molecule

Letter

2559

