Dr Chandi Charan Malakar

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Expertise

Applied Chemistry

Organic Synthesis, Medicinal Chemistry, Green Chemistry, Natural Products, Drug-Like Molecules, C-H Activation, Asymmetric Catalysis, Transition Metal Catalysis and Organocatalysis, Frustrated Lewis Pairs

Work experience

1. Dr. BR Ambedkar National Institute of Technology (NIT) Jalandhar 2015 — 2015

   Assistant Professor
   Jalandhar

2. Indian Institute of Science (IISc) Bangalore 2015 — 2015

   Post-Doctoral Research Scientist
   Bangaluru

3. National Institute of Technology, Manipur 2015 — Present

   Assistant Professor (Grade-I)
   Imphal West

4. SignalChem Life Sciences (P) Ltd. (India Branch) 2014 — 2015

   Senior Principal Scientist
   Bangalore

5. University of Heidelberg, Germany 2012 — 2014

   Post-Doctoral Research Scientist

Heidelberg, Baden-Württemberg

6. University of Antwerp, Belgium 2011 — 2012

   Post-Doctoral Research Scientist
   Antwerp

7. Ludwig Maximilians University Munich, Germany 2006 — 2007

   Research Fellow
   Munich

Education

1. Ph.D - 2011

   University of Hohenheim, Stuttgart, Germany

2. M.Sc - 2006

   Indian Institute of Technology (IIT) Kanpur

3. M.Sc - 2004

   Banaras Hindu University (2003-2004)

4. B.Sc (Hounours) - 2003

   Vidyasagar University, West Bengal

Honours and Awards

1. Core Research Grant - 2020

   Science and Engineering Research Board, Govt. of India

2. Global Initiatives of Academic Networks (GIAN) Academic Scheme - 2018

   Global Initiatives of Academic Networks (GIAN) - MHRD, GOI

Global Initiatives of Academic Networks (GIAN) Academic Scheme -

3. 2018

   Global Initiatives of Academic Networks (GIAN) - MHRD, GOI

4. Early Career Research Fund - 2016

   Science & Engineering Research Board, Govt. of India

5. Global Initiatives of Academic Networks (GIAN) Academic Scheme - 2016

   Global Initiatives of Academic Networks (GIAN) - MHRD

6. PBC Postdoctoral Fellowship - 2014

   Technion-Israel Institute of Technology, Israel

7. Pegasus Marie Curie Postdoctoral Fellowship - 2012

   Pegasus Marie Curie, Belgium

8. Postdoctoral fellowship - 2012

   University of Heidelberg, Germany

9. IWS BOF UA Postdoctoral Fellowship - 2011

   University of Antwerp, Belgium

10. Ph.D Fellowship - 2007

    University of Hohenheim, Stuttgart, Germany

11. JAM All India Rank 8 - 2004

    Indian Institute of Technology (IIT)

12. Merit-Cum-Means (MCM) Scholarship - 2004

    Indian Institute of Technology (IIT), Kanpur

Research Project

Investigation on Metal-Free Approaches towards C-C and C-Heteroatom Bond Formation for the Synthesis of Carbocycles and Heterocycles

Role: Project Investigator
Year 2020, Amount Rs. 35,77,332 /-

Synthesis and Decoration of Drug-like Molecules using Transition Metal-Catalyzed C(sp^2)–H/C(sp^3)–H Bond Activation Approach

Role: PI
Year 2016, Amount 38,84,000 /-

Publication

1. Synthesis of Pyrazolo[4,3-c]quinolines and the C-C Bond Cleavage during Reductive Cyclization

   Nisha Devi, Antriksh Gupta, Raghuram Gujjarappa, Chandi C. Malakar, and Virender Singh
   HeteroCycles, Volume 102, Year 2021, Pages DOI: 10.3987/COM-20-14403

2. Efficient Approach towards the Polysubstituted 4H-Pyran Hybrid Quinolone Derivatives and Subsequent Copper-Catalyzed Hydroxylation of Haloarenes

   Vipin Kumar, Dharmender Singh, Raghuram Gujjarappa, Chandi C. Malakar, and Virender Singh
   HeteroCycles, Volume 102, Year 2021, Pages 10.3987/COM-20-14383

3. An organocatalytic C-C bond cleavage approach: A metal-free and peroxide-free facile method for the synthesis of amide derivatives

   Vodnala N.
   New Journal of Chemistry, Volume 44, Year 2020, Pages 20940-20944

4. A Facile C-H Insertion Strategy using Combination of HFIP and Isocyanides: Metal-Free Access to Azole Derivatives

   Gujjarappa R.
   Asian Journal of Organic Chemistry, Volume 9, Year 2020, Pages 1793-1797

5. P(III)-Mediated Cascade C-N/C-S Bond Formation: A Protocol towards the Synthesis of N,S-Heterocycles and Spiro Compounds

   Polina S.
   Advanced Synthesis and Catalysis, Volume , Year 2020

6. HFIP-mediated strategy towards β-oxo amides and subsequent Friedel-Craft type cyclization to 2-quinolinones using recyclable catalyst

   Kabi A.K.
   Tetrahedron Letters, Volume 61, Year 2020

7. Recent Advances in Pyridine-Based Organocatalysis and its Application towards Valuable Chemical Transformations

   Gujjarappa R.
   ChemistrySelect, Volume 5, Year 2020, Pages 8745-8758

8. Copper-Catalyzed [2+2+1+1] Annulation for the Regioselective Synthesis of 2,6-Diarylpyridines via C1-Insertion and Subsequent Cyclization

Vodnala N.
ChemistrySelect, Volume 5, Year 2020, Pages 10144-10148

9. Aza-Michael addition of 1,2-diazoles to structurally diverse enones: Efficient methods toward β-amino ketones

Polina S.
Journal of Heterocyclic Chemistry, Volume , Year 2020

10. Transition-metal-free variant of Glaser- and Cadiot-Chodkiewicz-type Coupling: Benign access to diverse 1,3-diynes and related molecules

Dhananjaya Kaldhi ., Nagaraju Vodnala ., Raghuram Gujjarappa ., Arup K. Kabi ., Subhashree Nayak ., Chandi C. Malakar .,
Tetrahedron Letters, Volume 61, Year 2020

11. Conversion of alkynes into 1,2-diketones using HFIP as sacrificial hydrogen donor and DMSO as dihydroxylating agent

Raghuram Gujjarappa ., Nagaraju Vodnala ., V.P.R.K. Putta ., Velma Ganga Reddy ., Chandi C. Malakar .,
Tetrahedron Letters, Volume 61, Year 2020

12. Amino-Acid-Mediated Aerobic Oxidation of Organoborons for the Synthesis of Phenolic Derivatives Using Single Electron Transfer

Raghuram Gujjarappa ., Nagaraju Vodnala ., Aakriti Garg ., Chinmoy K. Hazra ., Sreya Gupta ., Chandi C. Malakar .,
ChemistrySelect, Volume 5, Year 2020, Pages 2419-2423

13. Niacin as a Potent Organocatalyst towards the Synthesis of Quinazolines Using Nitriles as C–N Source

Raghuram Gujjarappa ., Nagaraju Vodnala ., Velma Ganga Reddy ., Chandi C. Malakar .,
European Journal of Organic Chemistry, Volume 2020, Year 2020, Pages 803-814

14. Decarboxylative cyclization of amino acids towards the Regioselective synthesis of 2,4-diarylpyridines via relay Fe(III)/In(III)-catalysis

Raghuram Gujjarappa ., Nagaraju Vodnala ., Chandi C. Malakar .,
Tetrahedron Letters, Volume 61, Year 2020

15. Reagent-Controlled Divergent Synthesis of 2-Amino-1,3-Benzoxazines and 2-Amino-1,3-Benzothiazines

V. P. Rama Kishore Putta ., Nagaraju Vodnala ., Raghuram Gujjarappa ., Ujjawal Tyagi ., Aakriti Garg ., Sreya Gupta ., Prasad Pralhad Pujar ., Chandi C. Malakar .,
Journal of Organic Chemistry, Volume 85, Year 2020, Pages 380-396

16. Comprehensive Strategies for the Synthesis of Isoquinolines: Progress Since 2008

Gujjarappa R.
Advanced Synthesis and Catalysis, Volume 362, Year 2020, Pages 4896-4990

17. Transition-Metal-Free C-S Bond Forming Strategy towards Synthesis of Highly Diverse Pyrazole Tethered Benzothiazoles: Investigation of their Photophysical Properties

S. Sharma, C. C. Malkar and Virender Singh*
Asian Journal of Organic Chemistry, Volume 9, Year 2020, Pages 1857-1868

18. Copper-Catalyzed Site-Selective Oxidative C−C Bond Cleavage of Simple Ketones for the Synthesis of Anilides and Paracetamol

Nagaraju Vodnala ., Raghuram Gujjarappa ., Chinmoy K. Hazra ., Dhananjaya Kaldhi ., Arup. K. Kabi ., Uwe Beifuss ., Chandi C. Malakar .,
Advanced Synthesis and Catalysis, Volume 361, Year 2019, Pages 135-145

19. Organocatalytic oxidative synthesis of C2-functionalized benzoxazoles, naphthoxazoles, benzothiazoles and benzimidazoles

Kaldhi, Dhananjaya;Vodnala, Nagaraju;Gujjarappa, Raghuram;Nayak, Subhashree;Ravichandiran, V.;Gupta, Sreya;Hazra, Chinmoy K.;Malakar, Chandi C.
Tetrahedron Letters, Volume 60, Year 2019, Pages 223-229

20. Withdrawal: Gold-Catalyzed Facile Protocol towards the Efficient Access of Azetidinyl Esters, β-Amino Esters and δ-Amino Esters using Simple Substrates (Asian J. Org. Chem, (2019), 10.1002/ajoc.201900319)

Arup K. Kabi ., Raghuram Gujjarappa ., Nagaraju Vodnala ., Dhananjaya Kaldhi ., Chandi C. Malakar .,
Asian Journal of Organic Chemistry, Volume 8, Year 2019, Pages 1947

21. Overview on Recent Approaches towards Synthesis of 2-Keto-annulated Oxazole Derivatives

Nayyef Aljaar ., Raghuram Gujjarappa ., Mahmoud Al-Refai ., Majed Shtaiwi ., Chandi C. Malakar .,
Journal of Heterocyclic Chemistry, Volume 56, Year 2019, Pages 2730-2743

22. Pd-Catalyzed Decarboxylation and Dual C(sp^3)-H Functionalization Protocols for the Synthesis of 2,4-Diarylpyridines

Raghuram Gujjarappa ., Nagaraju Vodnala ., Mohan Kumar ., Chandi C. Malakar .,
Journal of Organic Chemistry, Volume 84, Year 2019, Pages 5005-5020

23. Structural diversity attributed by Aza-Diels-Alder reaction in synthesis of diverse quinoline scaffolds

Dharmender Singh ., Vipin Kumar ., Chandi C. Malakar ., Virender Singh .,
Current Organic Chemistry, Volume 23, Year 2019, Pages 920-958

24. A metal-A nd base-free domino protocol for the synthesis of 1,3-benzoselenazines, 1,3-benzothiazines and related scaffolds

V. P. Rama Kishore Putta ., Raghuram Gujjarappa ., Ujjawal Tyagi ., Prasad P. Pujar ., Chandi C. Malakar .,
Organic and Biomolecular Chemistry, Volume 17, Year 2019, Pages 2516-2528

25. Mo(VI)-catalyzed synthesis of 2-aryl-2H-indazoles using pinacol mediated deoxygenation of nitroaromatics

Dhananjaya Kaldhi ., Raghuram Gujjarappa ., Nagaraju Vodnala ., Arup K. Kabi ., Nayyef Aljaar ., Chandi C. Malakar .,
Chemistry Letters, Volume 48, Year 2019, Pages 1258-1261

26. Divergent Synthesis of Quinazolines Using Organocatalytic Domino Strategies under Aerobic Conditions

Gujjarappa, Raghuram;Maity, Suvik K.;Hazra, Chinmoy K.;Vodnala, Nagaraju;Dhiman, Shiv;Kumar, Anil;Beifuss, Uwe;Malakar, Chandi C.
European Journal of Organic Chemistry, Volume 2018, Year 2018, Pages 4628-4638

27. The Molybdenum(VI)-Catalyzed Reductive Cyclization of Nitroarenes using Pinacol as a Deoxygenating Agent

R. Gujjarappa, N. Vodnala, A. K. Kabi, D. Kaldhi, M. Kumar, U. Beifuss and C. C. Malakar
SynOpen, Volume 2, Year 2018, Pages 0138-0144

28. A Tandem Approach towards Diastereoselective Synthesis of Quinoline C-3 Tethered γ-Lactones

V Kumar, S. Chaudhary, M. Mathur, A. K. Swami,C. C. Malakar and Virender Singh.*
ChemistrySelect, Volume 3, Year 2018, Pages 399-404

29. Indium-Mediated Domino Allylation-Lactonisation Approach: Diastereoselective Synthesis of β-Carboline C-3 Tethered α-Methylene γ-Butyrolactones

Singh, Dharmender;Hazra, Chinmoy K.;Malakar, Chandi C.;Pandey, Satyendra K.;Kaith, B. S.;Singh, Virender
ChemistrySelect, Volume 3, Year 2018, Pages 4859-4864

30. Facile Protocols towards C2-Arylated Benzoxazoles using Fe(III)-Catalyzed C(sp^2-H) Functionalization and Metal-Free Domino Approach

Chandi Malakar ., Nagaraju Vodnala ., Raghuram Gujjarappa ., Arup Kabi ., Mohan Kumar ., Uwe Beifuss .,
Synlett, Volume 29, Year 2018, Pages 1469-1478

31. The facile and efficient organocatalytic platform for accessing 1,2,4-selenadiazoles and thiadiazoles under aerobic conditions

V.P. Rama Kishore Putta ., Raghuram Gujjarappa ., Nagaraju Vodnala ., Richa Gupta ., Prasad P. Pujar ., Chandi C. Malakar .,
Tetrahedron Letters, Volume 59, Year 2018, Pages 904-908

32. An Expeditious Approach for the Synthesis of β-Carboline−Pyrazole-Based Molecular Hybrids

Singh, Dharmender;Sharma, Pooja;Kumar, Rakesh;Pandey, Satyendra K.;Malakar, Chandi C.;Singh, Virender
Asian Journal of Organic Chemistry, Volume 7, Year 2018, Pages 383-394

33. Metal–free Decarboxylative Amination: An Alternative Approach Towards Regioselective Synthesis of β-Carboline N-fused Imidazoles

Dharmender Singh ., Vipin Kumar ., Nisha Devi ., Chandi C. Malakar ., Ravi Shankar ., Virender Singh .,
Advanced Synthesis and Catalysis, Volume 359, Year 2017, Pages 1213-1226

34. In(OTf)3 assisted synthesis of β-carboline C-3 tethered imidazo[1,2-a]azine derivatives

Nisha Devi ., Dharmender Singh ., Gurpreet Kaur ., Satbir Mor ., V. P. R. Kishore Putta ., Saibabu Polina ., Chandi C. Malakar ., Virender Singh .,
New Journal of Chemistry, Volume 41, Year 2017, Pages 1082-1093

35. In(OTf)3-HBF4 Assisted Multicomponent Approach for One-Pot Synthesis of Pyrazolopyridinone Fused Imidazopyridines

Devi, Nisha;Singh, Dharmender;Sunkaria, Ramesh K.;Malakar, Chandi C.;Mehra, Saloni;Rawal, Ravindra K.;Singh, Virender
ChemistrySelect, Volume 1, Year 2016, Pages 4696-4703

36. Metal-free 1,3-dipolar cycloaddition approach towards the regioselective synthesis of β-carboline and isoxazole based molecular hybrids

Dharmender Singh ., Nisha Devi ., Vipin Kumar ., Chandi C. Malakar ., Saloni Mehra ., Ravindra K. Rawal ., B. S. Kaith ., Virender Singh .,
RSC Advances, Volume 6, Year 2016, Pages 88066-88076

37. Metal-Free Synthesis of Chlorinated β-Amino Ketones via an Unexpected Reaction of Imines with Arylacetylenes in 1,1,1,3,3,3-Hexafluoro-2-propanol

Khushbu Kushwaha ., Balazs Pinter ., Syeda A. Shehzadi ., Chandi C. Malakar ., Christophe M. L. Vande Velde ., Frank de Proft ., Kourosch Abbaspour Tehrani .,
Advanced Synthesis and Catalysis, Volume 358, Year 2016, Pages 41-49

38. Iridium-catalyzed asymmetric allylic substitutions with bulky amines/oxidative double bond cleavage - Entry into the reetz synthesis of amino alcohols

Kai Seehafer ., Chandi C. Malakar ., Markus Bender ., Jianping Qu ., Chen Liang ., Günter Helmchen ., European Journal of Organic Chemistry, Volume 2016, Year 2016, Pages 493-501

39. Novel Domino Routes for the Synthesis of N-Heterocycles via Reductive Cyclization of β-(N-2-Nitroaryl)-α,β-unsaturated Ketones

Nagaraju Vodnala ., Dhananjaya Kaldhi ., Richa Gupta ., R. K. Linthoinganbi ., V. P. Rama Kishore Putta ., Saibabu Polina ., Virender Singh ., Chandi C. Malakar .,
ChemistrySelect, Volume 1, Year 2016, Pages 5784-5788

40. Natural product inspired design and synthesis of β-carboline and γ-lactone based molecular hybrids

Dharmender Singh ., Nisha Devi ., Vipin Kumar ., Chandi C. Malakar ., Saloni Mehra ., Sunita Rattan ., Ravindra K. Rawal ., Virender Singh .,
Organic and Biomolecular Chemistry, Volume 14, Year 2016, Pages 8154-8166

41. Pd-catalyzed domino reactions of nitroaromatics: A surrogate access towards the saturated N-heterocycles

Nagaraju Vodnala ., Dhananjaya Kaldhi ., Saibabu Polina ., V.P. Rama Kishore Putta ., Richa Gupta ., S.C. Pinky Promily ., R.K. Linthoinganbi ., Virender Singh ., Chandi C. Malakar .,
Tetrahedron Letters, Volume 57, Year 2016, Pages 5695-5699

42. Silica-Supported Iridium Complex Catalyst for Asymmetric Allylic Amination

C. C. Malakar, G. Helmchen
Synfacts, Volume 11, Year 2015, Pages 0771

43. Base-Promoted Domino Reaction of 5-Substituted 2-Nitrosophenols with Bromomethyl Aryl Ketones: A Transition-Metal-Free Approach to 2-

Aroylbenzoxazoles

Nayyef Aljaar ., Chandi C. Malakar ., Jürgen Conrad ., Uwe Beifuss .,
Journal of Organic Chemistry, Volume 80, Year 2015, Pages 10829-10837

44. Immobilized catalysts for iridium-catalyzed allylic amination: Rate enhancement by immobilization

Chandi C. Malakar ., Günter Helmchen .,
Chemistry - A European Journal, Volume 21, Year 2015, Pages 7127-7134

45. Indium(III)-catalyzed tandem synthesis of 2-alkynyl-3,3-dichloropyrrolidines and their conversion to 3-chloropyrroles

Khushbu Kushwaha ., C. C. Malakar ., S. Stas ., F. Lemière ., Kourosch Abbaspour Tehrani .,
RSC Advances, Volume 5, Year 2015, Pages 10139-10151

46. Lewis Acid Mediated Vinyl-Transfer Reaction of Alkynes to N-Alkylimines by Using the N-Alkyl Residue as a Sacrificial Hydrogen Donor

C. C. Malakar, S. Stas, W. Herrebout and K. A. Tehrani
ChemInform Abstract, Volume 45, Year 2014, Pages

47. 2,3-dihalo-1-propenes as building blocks in Cu(I)-catalyzed domino reactions: Efficient and selective synthesis of furans

Dietmar Schmidt ., Chandi C. Malakar ., Uwe Beifuss .,
Organic Letters, Volume 16, Year 2014, Pages 4862-4865

48. Pharmaceutical potential of phorbol esters from Jatropha curcas oil

Rakshit K. Devappa ., Chandi C. Malakar ., Harinder P.S. Makkar ., Klaus Becker .,
Natural Product Research, Volume 27, Year 2013, Pages 1459-1462

49. Synthesis of functionalized naphthalenes by copper(I)-catalyzed annulation between 3-(2-Halobenzyl)pentane-2,4-diones and b-keto esters, malonates and cyanoacetates

Kavitha Sudheendran ., Chandi C. Malakar ., Jürgen Conrad ., Uwe Beifuss .,
Advanced Synthesis and Catalysis, Volume 355, Year 2013, Pages 2400-2416

50. Microwave-assisted molybdenum-catalyzed reductive cyclization of o -nitrobenzylidene amines to 2-Aryl-2 H -indazoles

Uwe Beifuss ., Ahmed Moustafa ., Chandi Malakar ., Nayyef Aljaar ., Elena Merisor ., Jürgen Conrad .,
Synlett, Volume 24, Year 2013, Pages 1573-1577

51. Reaction of 1-nitroso-2-naphthols with α-functionalized ketones and related compounds: The unexpected formation of decarbonylated 2-substituted naphtho[1,2-d][1,3]oxazoles

Nayyef Aljaar ., Chandi C. Malakar ., Jürgen Conrad ., Wolfgang Frey ., Uwe Beifuss .,
Journal of Organic Chemistry, Volume 78, Year 2013, Pages 154-166

52. Lewis acid mediated vinyl-transfer reaction of alkynes to N-alkylimines by using the N-alkyl residue as a sacrificial hydrogen donor

Chandi C. Malakar ., Sara Stas ., Wouter Herrebout ., Kourosch Abbaspour Tehrani .,
Chemistry - A European Journal, Volume 19, Year 2013, Pages 14263-14270

53. Copper(I)-catalyzed intramolecular O-arylation for the synthesis of 2,3,4,9-tetrahydro-1 H -xanthen-1-ones with low loads of CuCl

Kavitha Sudheendran ., Chandi C. Malakar ., Jürgen Conrad ., Uwe Beifuss .,
Journal of Organic Chemistry, Volume 77, Year 2012, Pages 10194-10210

54. Cu-catalyzed reaction of 1,2-dihalobenzenes with 1,3-cyclohexanediones for the synthesis of 3,4-dihydrodibenzo[b,d]furan-1(2H)-ones

Nayyef Aljaar ., Chandi C. Malakar ., Jürgen Conrad ., Sabine Strobel ., Thomas Schleid ., Uwe Beifuss .,
Journal of Organic Chemistry, Volume 77, Year 2012, Pages 7793-7803

55. Copper-catalyzed synthesis of quinazolines in water starting from o-bromobenzylbromides and benzamidines

Chandi C. Malakar ., Alevtina Baskakova ., Jürgen Conrad ., Uwe Beifuss .,
Chemistry - A European Journal, Volume 18, Year 2012, Pages 8882-8885

56. Cu(i)-catalyzed annulation for the synthesis of substituted naphthalenes using o-bromobenzaldehydes and β-ketoesters as substrates

Chandi C. Malakar ., Kavitha Sudheendran ., Hans-Georg Imrich ., Sabine Mika ., Uwe Beifuss .,
Organic and Biomolecular Chemistry, Volume 10, Year 2012, Pages 3899-3905

57. An indium(III)-catalyzed synthesis of 4,4-dichloro-1-aryl-N-alkyl-1-yn-3-amines via an intermolecular C(sp^2)-C(sp) bond formation

Chandi C. Malakar ., Bert U. W. Maes ., Kourosch Abbaspour Tehrani .,
Advanced Synthesis and Catalysis, Volume 354, Year 2012, Pages 3461-3467

58. Cu(I)-Catalyzed domino reactions: Efficient and selective synthesis of 4h-chromenes and naphthalenes

Chandi C. Malakar ., Dietmar Schmidt ., Jürgen Conrad ., Uwe Beifuss .,
Organic Letters, Volume 13, Year 2011, Pages 1972-1975

59. Double C-H activation: The palladium-catalyzed direct C-arylation of xanthines with arenes

Chandi C. Malakar ., Dietmar Schmidt ., Jürgen Conrad ., Uwe Beifuss .,
Organic Letters, Volume 13, Year 2011, Pages 1378-1381

60. Double C—H Activation: The Palladium-Catalyzed Direct C-Arylation of Xanthines with Arenes

C. C. Malakar, D. Schmidt, J. Conrad and U. Beifuss
ChemInform Abstract, Volume 42, Year 2011, Pages

61. MoO2Cl2(dmf)2-catalyzed domino reactions of ω-nitro alkenes to 3,4-Dihydro-2 H -1,4-benzothiazines and Other Heterocycles

Uwe Beifuss ., Chandi Malakar ., Elena Merisor ., Jürgen Conrad .,
Synlett, Volume , Year 2010, Pages 1766-1770

62. MoO2Cl2(dmf)2 Catalyzed Domino Reactions of □-Nitro Alkenes to 3,4-Dihydro-2H-1,4-benzothiazines and Other Heterocycles

C. C. Malakar, E. Merisor, J. Conrad and U. Beifuss

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63. Influence of bases and ligands on the outcome of the Cu(I)-catalyzed oxidative homocoupling of terminal alkynes to 1,4-disubstituted 1,3-diynes using oxygen as an oxidant

Subbarayappa Adimurthy ., Chandi C. Malakar ., Uwe Beifuss .,
Journal of Organic Chemistry, Volume 74, Year 2009, Pages 5648-5651

64. Unexpected Lewis acid mediated reactions of 1-arylbut-3-en-1-ols with trimethyl orthoformate - A new synthesis of homoallyl ethers and chlorides

Uwe Beifuss ., Elena Merişor ., Jürgen Conrad ., Chandi Malakar .,
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