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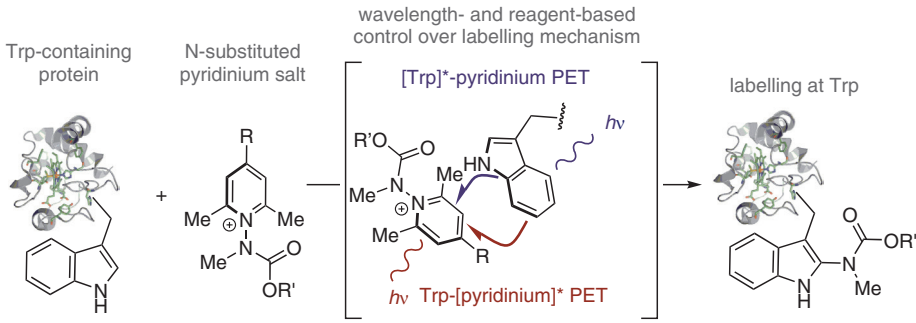
Accounts and Rapid Communications in Chemical Synthesis

September 1, 2021 • Vol. 32, 1371–1472



Targeting Tryptophan for Tagging through Photoinduced Electron Transfer

N. V. Orellana, M. T. Taylor

14

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Accounts and
Rapid Communications
in Chemical Synthesis

2021
Vol. 32, No. 14
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Targeting Tryptophan for Tagging through Photoinduced Electron Transfer

Synpacts

1371

Synlett **2021**, *32*, 1371–1378
DOI: 10.1055/a-1479-6366

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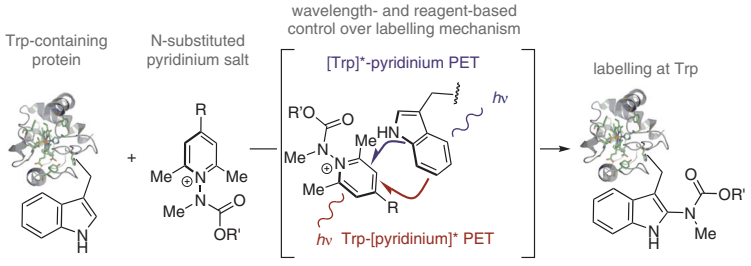

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Transition-Metal-Catalyzed Alkylation of Polyfluoroarenes through C–F Bond Cleavage

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1379

Synlett **2021**, *32*, 1379–1384
DOI: 10.1055/a-1479-8264

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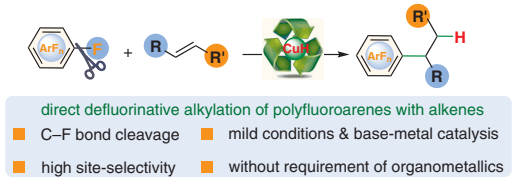

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Transition-Metal-Free Functionalization of Saturated and Unsaturated Amines to Bioactive Alkaloids Mediated by Sodium Chlorite

Account

1385

Synlett **2021**, *32*, 1385–1396
DOI: 10.1055/a-1308-0247

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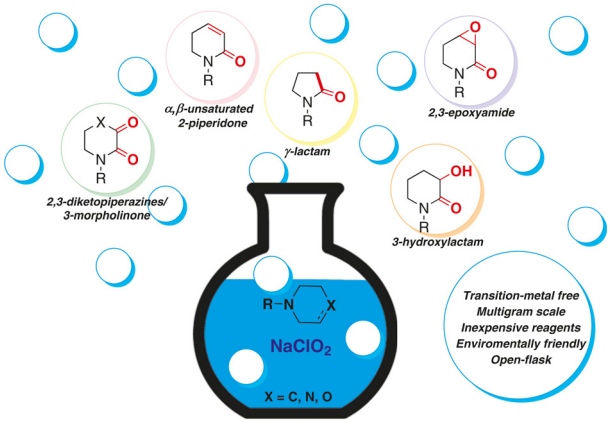

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Developing a Methodology for Catalytic Asymmetric Crotylation of Aldehydes

Account

1397

Synlett **2021**, *32*, 1397–1405
DOI: 10.1055/s-0040-1706659

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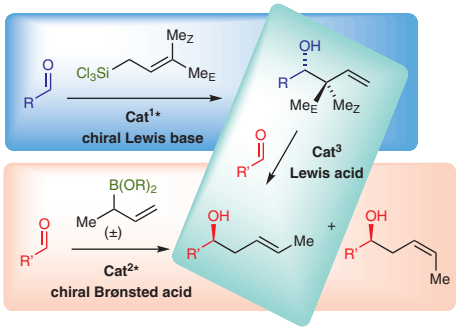

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Perrhenate Esters as Intermediates in Molecular Complexity-Increasing Reactions

Account

1406

Synlett **2021**, *32*, 1406–1418
DOI: 10.1055/a-1377-0346

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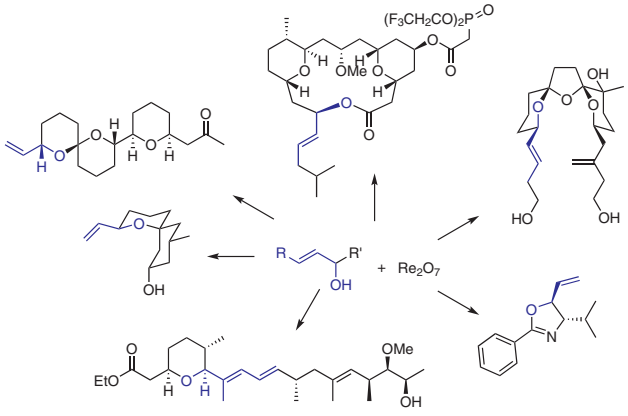

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Synlett **2021**, *32*, 1419–1427
DOI: 10.1055/a-1352-6358

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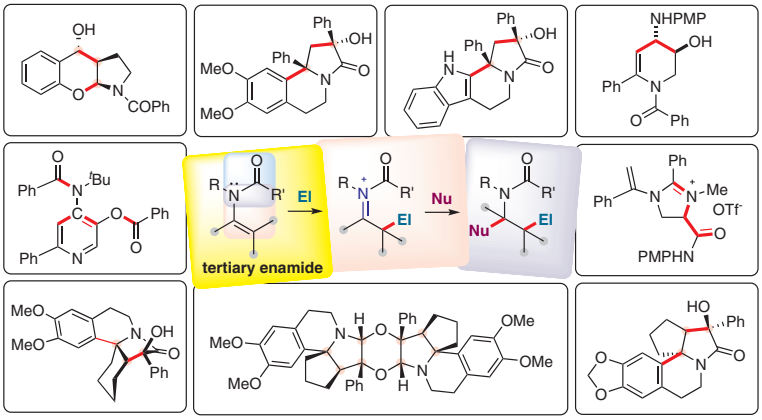
Domino Reactions of Tertiary Enamides in Organic Synthesis

Account



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Synlett **2021**, *32*, 1428–1432
DOI: 10.1055/a-1533-1080

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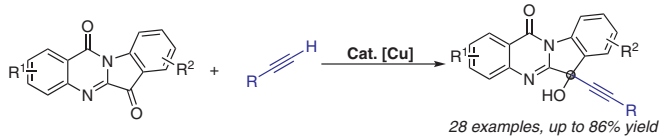
Synthesis of 6-Alkynyl-6-hydroxyindoloquinazolinone Scaffolds via Copper-Catalyzed Alkynylation of Tryptanthrins

Letter



- High functional group tolerance
- Diversiy of substrate scope
- Mild reaction conditions
- Versatile synthetic utilization

R = aryl, alkyl group
R^1 = halide group
R^2 = halide, alkyl, ester, NO_2

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Synlett **2021**, *32*, 1433–1436
DOI: 10.1055/a-1534-0343

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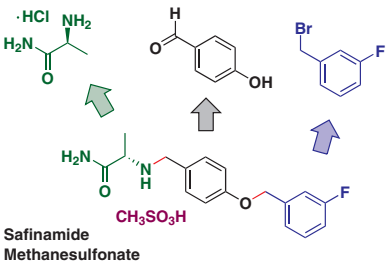
A Two Hour Synthesis of the Anti-Parkinson Drug Safinamide Methanesulfonate

Letter



Total time
2 hours
Total yield
64 %
Total steps
4
Total pots
2
Total procedures
1 extraction, 2 filtrations

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Synlett **2021**, *32*, 1437–1446
DOI: 10.1055/s-0040-1706053

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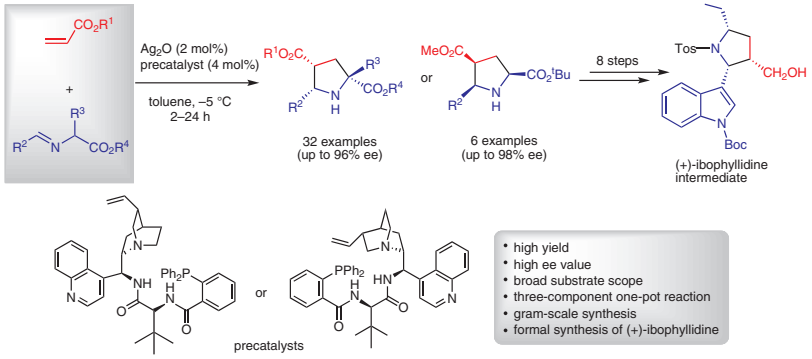
Ag(I)/CAAA-Amidphos Complex Catalyzed Asymmetric 1,3-Dipolar Cycloaddition of Acrylates for the Formal Synthesis of (+)-Ibophyllidine

Letter



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Synlett **2021**, *32*, 1447–1452
DOI: 10.1055/a-1535-8891

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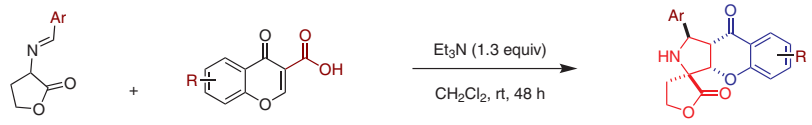
Decarboxylative, Diastereoselective and *exo*-Selective 1,3-Dipolar Cycloaddition for Diversity-Oriented Construction of Structural Spiro[Butyrolactone–Pyrrolidine–Chromanone] Hybrids

Letter



- potentially biologically active molecules
- decarboxylative, diastereoselective, and *exo*-selective 1,3-dipolar cycloaddition
- the first example of introduction of a chromanone moiety into a spiro[butyrolactone-pyrrolidine]

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Synlett **2021**, *32*, 1453–1456
DOI: 10.1055/a-1524-4912

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$NiCl_2$ as a Cheap and Efficient Precatalyst for the Coupling of Aryl Fluorosulfonate and Phosphite/Phosphine Oxide

Letter

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Synlett **2021**, *32*, 1457–1460
DOI: 10.1055/a-1509-0949

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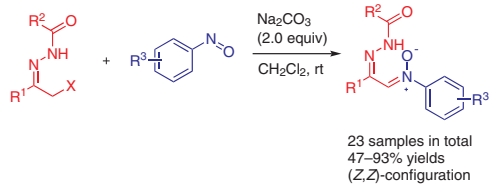
Stereoselective Synthesis of Polyfunctionalized Nitrones through Conjugate Addition of α-Halo Hydrazones to Nitroso Compounds

Letter



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Synlett **2021**, *32*, 1461–1464
DOI: 10.1055/a-1535-6085

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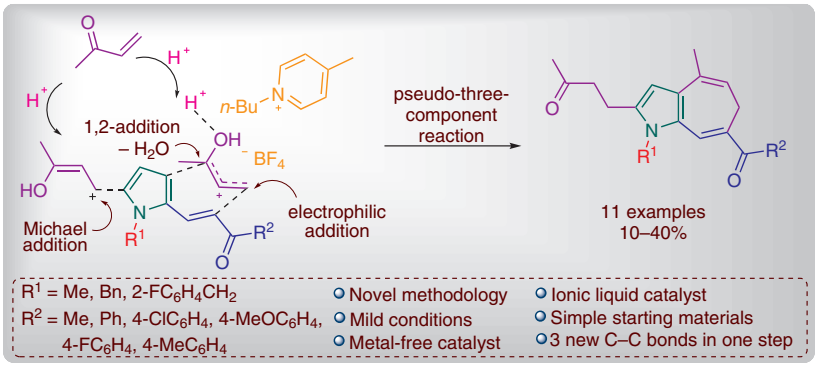
A Novel Pseudo-Three-Component Synthetic Strategy for the Synthesis of 1,6-Dihydroazaazulenes via Cyclization of Pyrrolyl-enones

Letter



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Synlett **2021**, *32*, 1465–1468
DOI: 10.1055/a-1528-0625

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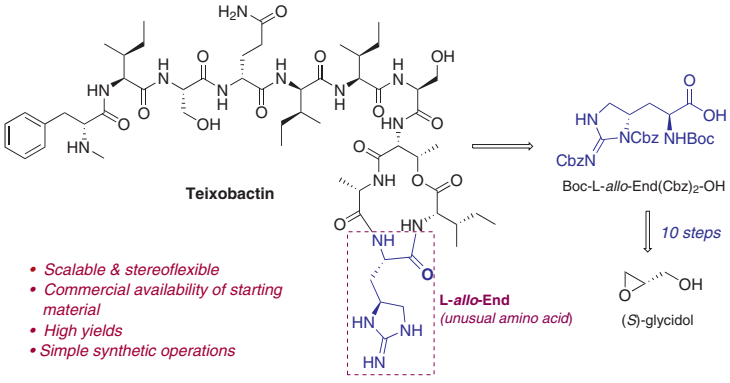
Academy of Scientific and Innovative Research (AcSIR), India

Scalable Synthesis of L-*allo*-Enduracididine: The Unusual Amino Acid Present in Teixobactin

Letter



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Synlett **2021**, *32*, 1469–1472
DOI: 10.1055/s-0040-1720348

Efficient Construction of (±)-*epi*-Costunolide through a Chromium(II)-Mediated Nozaki–Hiyama–Kishi Reaction

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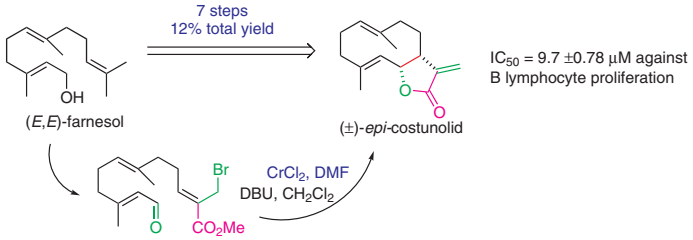

simplest synthetic route to construct germacrane sesquiterpene lactone