Synlett

Accounts and Rapid Communications in Chemical Synthesis

2020
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Synlett

Alkene Vicinal Difluorination: From Fluorine Gas to More Favoured Conditions

Synpacts

1333

Synlett **2020**, *31*, 1333–1342
DOI: 10.1055/s-0040-1707143

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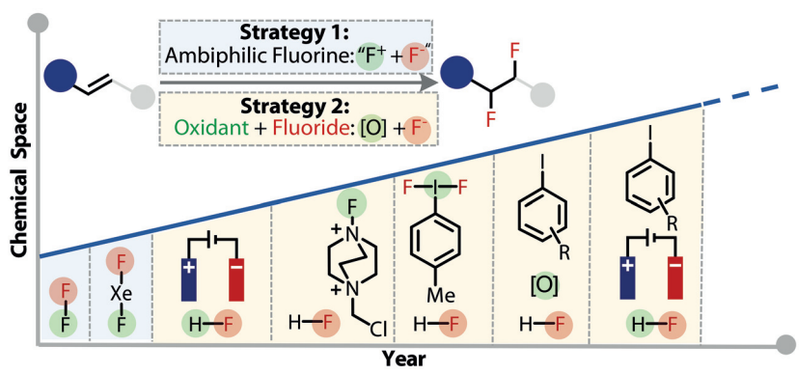

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Force-Induced Cycloaddition of Aziridine: Can We Force a New Route?

Synpacts

1343

Synlett **2020**, *31*, 1343–1348
DOI: 10.1055/s-0040-1707145

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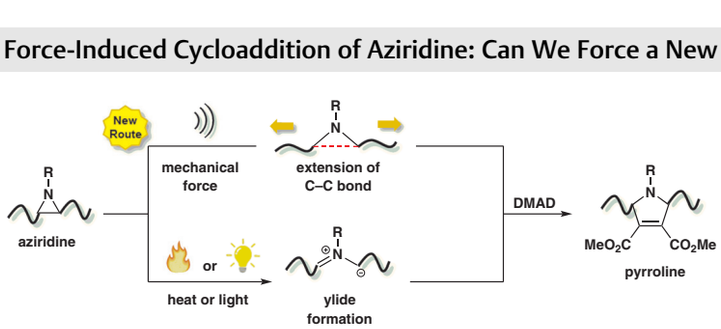

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Synlett
Synlett **2020**, *31*, 1349–1360
DOI: 10.1055/s-0040-1707106

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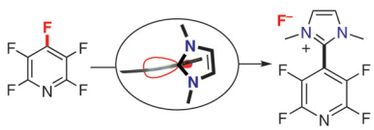
Activation of C–F, Si–F, and S–F Bonds by N-Heterocyclic Carbenes and Their Isoelectronic Analogues

Account

1349



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Synlett **2020**, *31*, 1361–1371
DOI: 10.1055/s-0040-1707107

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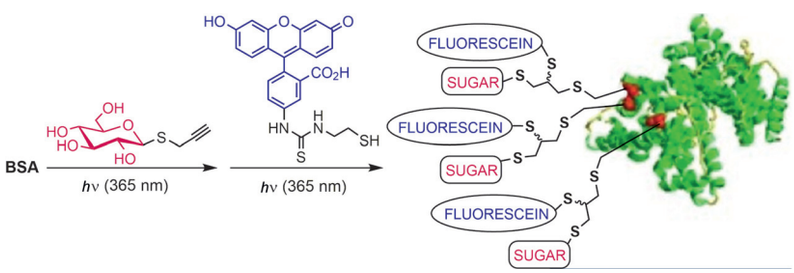
Selected Research Topics of the Dondoni Group over the Last Two Decades (2000–2020)

Account

1361



Synlett
Synlett **2020**, *31*, 1372–1377
DOI: 10.1055/s-0040-1707150

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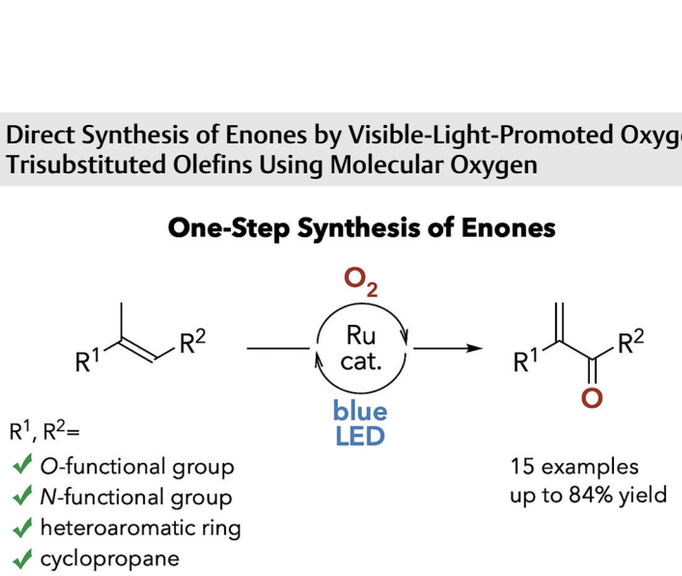
Direct Synthesis of Enones by Visible-Light-Promoted Oxygenation of Trisubstituted Olefins Using Molecular Oxygen

Letter

1372



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Synlett **2020**, *31*, 1378–1383
DOI: 10.1055/s-0040-1707117

Anion-Accelerated Aromatic Oxy-Cope Rearrangement in Geranylation/Nerylation of Xanthone: Stereochemical Insights and Synthesis of Fuscaxanthone F

Letter
1378

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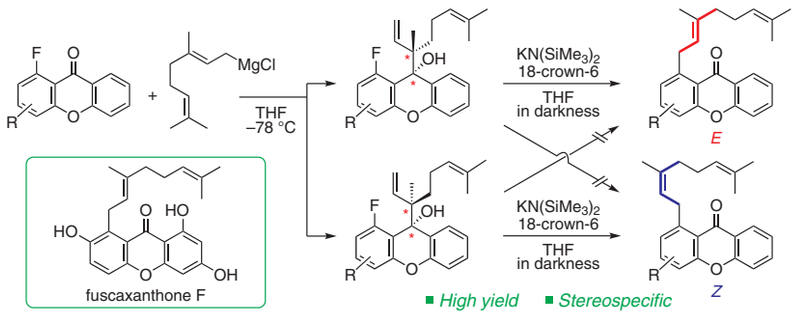

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Synlett **2020**, *31*, 1384–1388
DOI: 10.1055/s-0040-1707163

Synthesis of a Water-Soluble, Soft N-Donor BTzBP Ligand Containing Only CHON

Letter
1384

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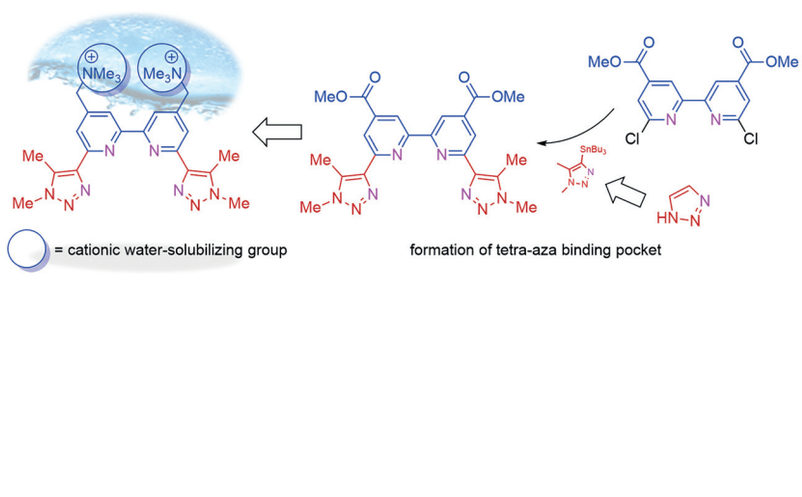

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Synlett **2020**, *31*, 1389–1393
DOI: 10.1055/s-0040-1707812

Total Synthesis of Phyllanemblinin B

Letter
1389

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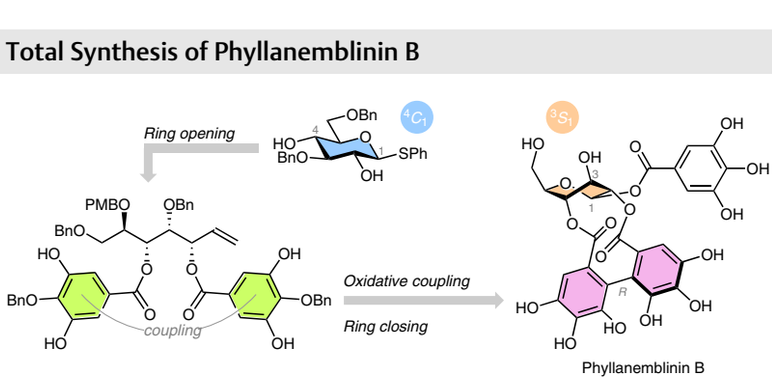

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Synlett **2020**, *32*, 1394–1399
DOI: 10.1055/s-0040-1707099

Visible-Light-Enabled Aerobic Denitrative C3-Alkenylation of Indoles with β-Nitrostyrenes

Letter
1394

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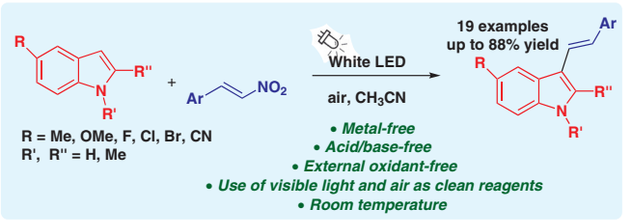

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Synlett **2020**, *31*, 1400–1403
DOI: 10.1055/s-0040-1707162

Iron-Catalyzed Direct Cross-Coupling of Ethers and Thioether with Alcohols for the Synthesis of Mixed Acetals

Letter
1400

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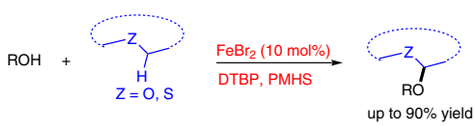

- Iron catalysis
- Late-stage functionalization
- Aromatic N-heterocyclic fragment tolerance

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Synlett **2020**, *31*, 1404–1408
DOI: 10.1055/s-0040-1707883

Formal Synthesis of (±)-Aplykurodinone-1 Based on the Indium-Catalyzed Conia-Ene Reaction

Letter
1404

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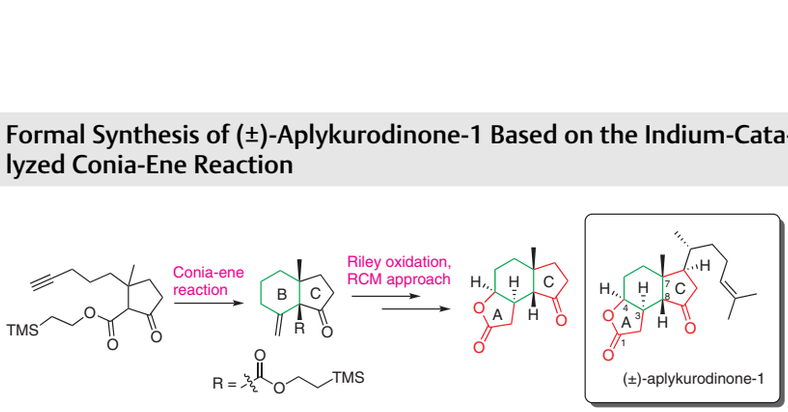

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Synlett **2020**, *31*, 1409–1412
DOI: 10.1055/s-0039-1690876

Stereoselective Synthesis of Coreoside D and Determination of Its Absolute Configuration

Letter
1409

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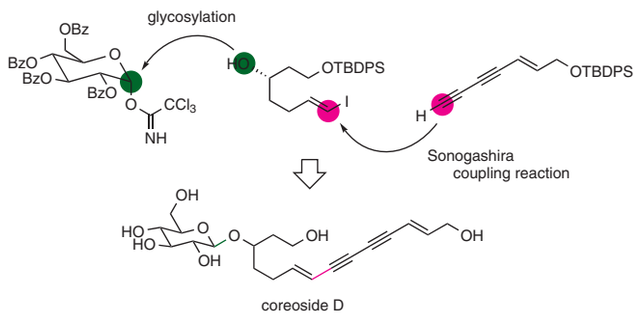

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Synlett **2020**, *31*, 1413–1417
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Sulfuryl Fluoride Promoted Thiocyanation of Alcohols: A Practical Method for Preparing Thiocyanates

Letter
1413

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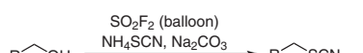

R = (hetero)aryl, alkenyl

30 examples
up to 98% yield

- Highly efficient protocol
- Good functional-group compatibility
- Mild conditions
- Up to gram scale

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Synlett **2020**, *31*, 1418–1422
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Access to β-Hydroxyl Esters via Copper-Catalyzed Reformatsky Reaction of Ketones and Aldehydes

Letter
1418

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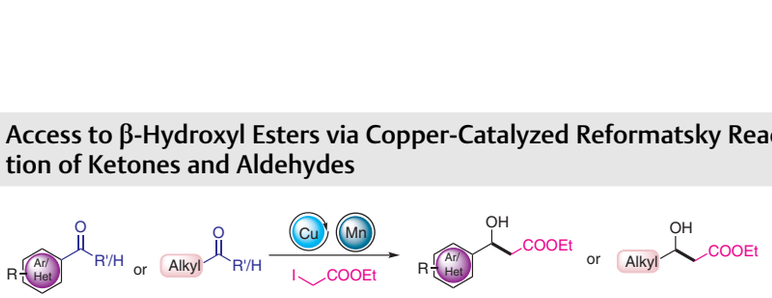

- High yield of most substrates (86–96% yield)
- Mild conditions and readily available reagents
- Scale-up to grams shows a practical applicability
- Excellent functional group tolerance (more than 31 examples)
- Aliphatic, aromatic, heterocyclic and sterically hindered ketones
- Aliphatic, aromatic, unsaturated, heterocyclic and natural-product-derived aldehydes

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DOI: 10.1055/s-0039-1690891

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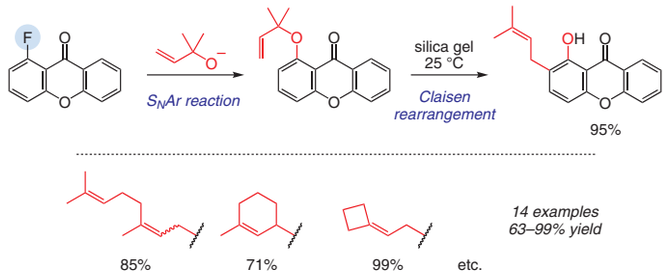
An Efficient Two-Step Protocol for the Isoprenylation of Xanthone at the C2 Position Starting from 1-Fluoroxanthone Derivative

Letter

1423



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Synlett **2020**, *31*, 1430–1434
DOI: 10.1055/s-0040-1707169

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Facile Approach to Geminal Heterodihalogenation. One-Pot Synthesis of α-Bromo-α-Chloro Ketones

Letter

1430

- Mild conditions, high efficiency, one-pot synthesis
- Ar groups include naphthyl and 2-thienyl
- 13 examples, up to 65–81% yield

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