Synlett

Accounts and Rapid Communications in Chemical Synthesis

2020
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Synlett

Synlett **2020**, *31*, 925–932
DOI: 10.1055/s-0039-1690814

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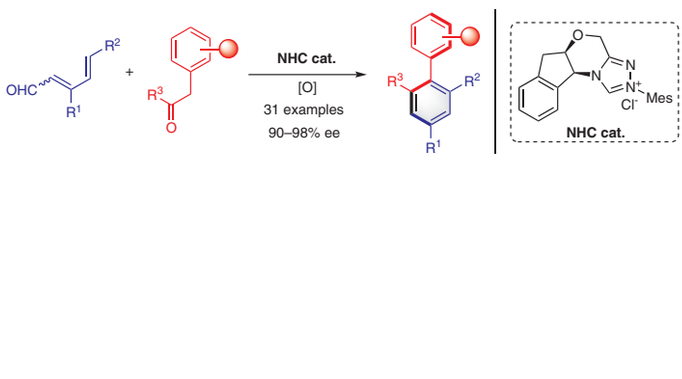
N-Heterocyclic Carbene-Organocatalyzed Arene Formation: Application in Atroposelective Synthesis of Polysubstituted Benzenes

Synpacts
925



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Synlett **2020**, *31*, 933–937
DOI: 10.1055/s-0039-1690811

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A Frustrated Lewis Pair Solution to a Frustrating Problem: Mono-Selective Functionalization of C–F Bonds in Di- and Trifluoromethyl Groups

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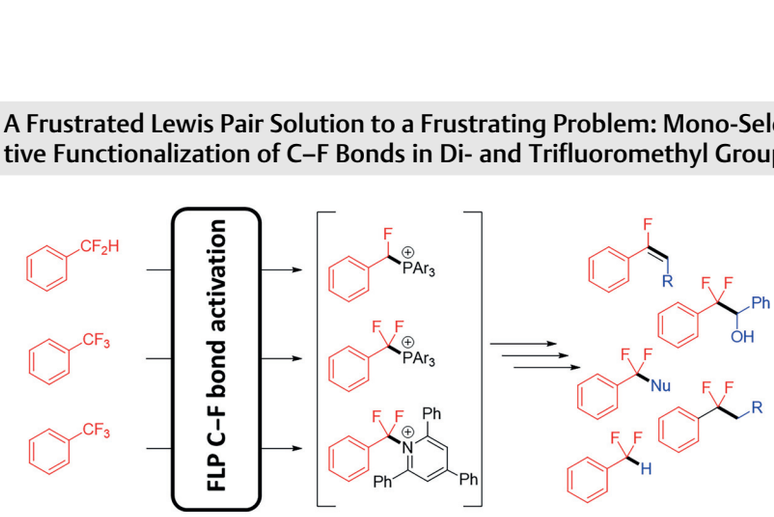
933



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The Unique Bioorthogonal Chemistry of Isonitriles

Account

938

Synlett **2020**, *31*, 938–944
DOI: 10.1055/s-0039-1690849

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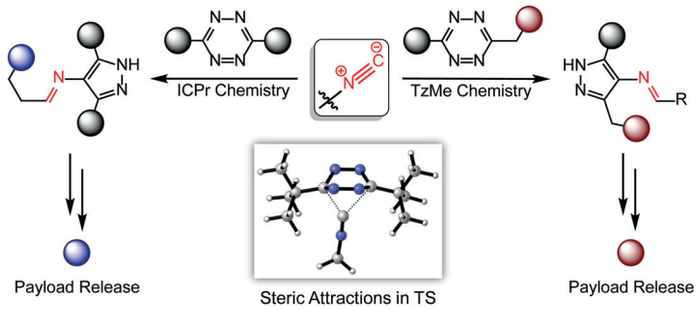

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Synthesis of Aromatic and Aliphatic Di-, Tri-, and Tetrasulfonic Acids

Account

945

Synlett **2020**, *31*, 945–952
DOI: 10.1055/s-0039-1691745

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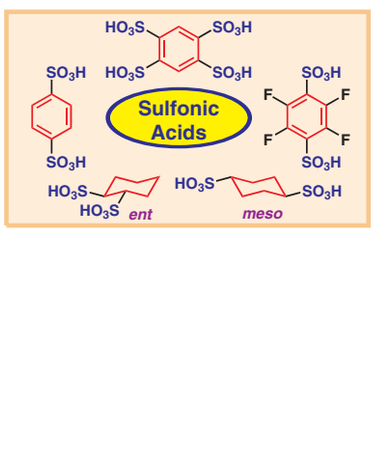

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Mild, Efficient, and Highly Regioselective Synthesis of 2,6-Diiodobenzaldehyde Derivatives

Letter

953

Synlett **2020**, *31*, 953–958
DOI: 10.1055/s-0040-1708004

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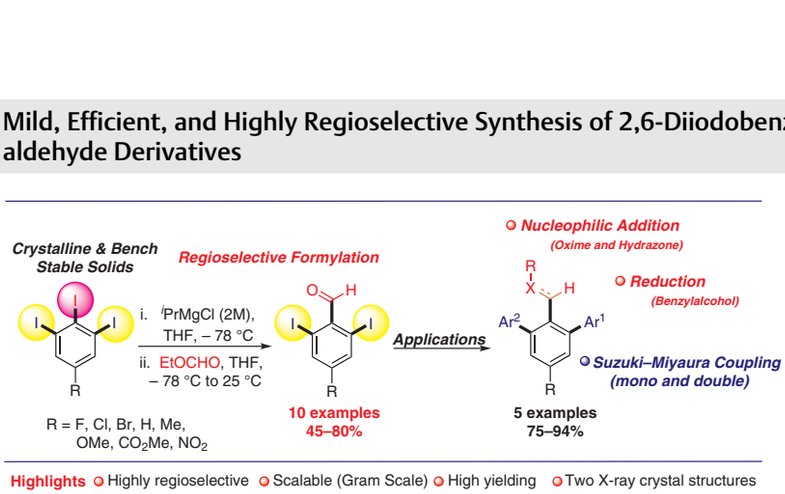

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Synlett **2020**, *31*, 959–964
DOI: 10.1055/s-0040-1708010

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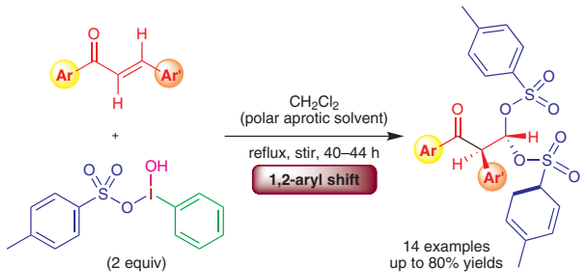
Oxidative Rearrangement via 1,2-Aryl Migration using Hydroxy-(tosyloxy)iodobenzene in a Polar Aprotic Solvent

Letter

959



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Synlett **2020**, *31*, 965–971
DOI: 10.1055/s-0039-1690887

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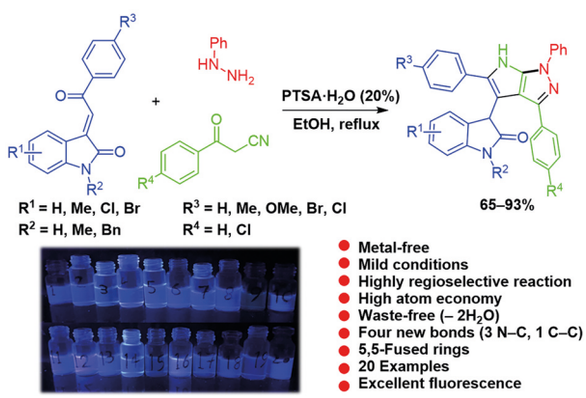
Shahid Beheshti University, Iran

Highly Efficient Chemoselective Synthesis of Pyrrolo[2,3-*c*]pyrazole Bearing Oxindole *via* Sequential Condensation–Michael Addition–Intramolecular Cyclization Reactions

Letter

965



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Synlett **2020**, *31*, 972–976
DOI: 10.1055/s-0040-1708009

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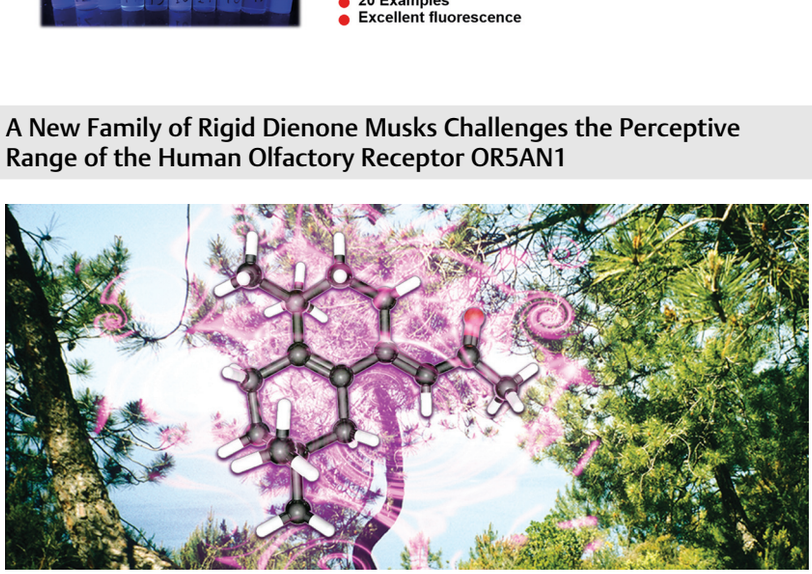
A New Family of Rigid Dienone Musks Challenges the Perceptive Range of the Human Olfactory Receptor OR5AN1

Letter

972



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Synlett **2020**, *31*, 977–981
DOI: 10.1055/s-0040-1708007

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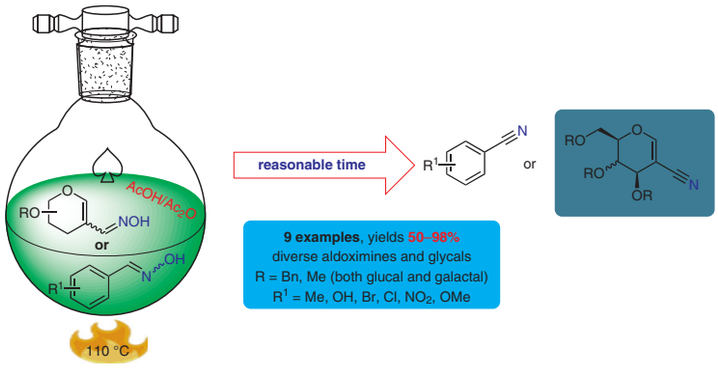
Acetic Anhydride–Acetic Acid as a New Dehydrating Agent of Aldoximes for the Preparation of Nitriles: Preparation of 2-Cyanoglycals

Letter

977



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Synlett **2020**, *31*, 982–986
DOI: 10.1055/s-0040-1708011

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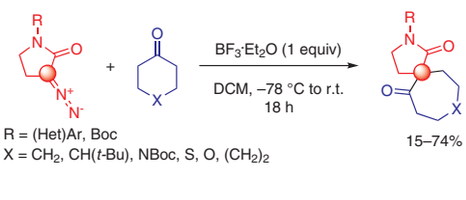
The Use of α-Diazo-γ-butyrolactams in the Büchner–Curtius–Schlotterbeck Reaction of Cyclic Ketones Opens New Entry to Spirocyclic Pyrrolidones

Letter

982



R = (Het)Ar, Boc
X = CH_2, CH(*t*-Bu), NBoc, S, O, $(CH_2)_2$

15–74%

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Synlett **2020**, *31*, 987–990
DOI: 10.1055/s-0040-1707970

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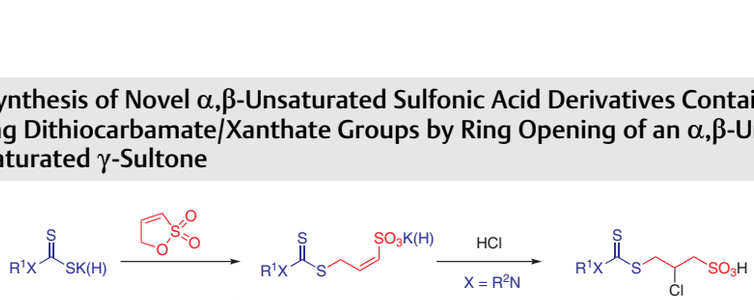
Synthesis of Novel α,β-Unsaturated Sulfonic Acid Derivatives Containing Dithiocarbamate/Xanthate Groups by Ring Opening of an α,β-Unsaturated γ-Sultone

Letter

987



R^1 = alkyl, cycloalkyl, benzyl
R^2 = alkyl, allyl, benzyl

X = R^2N (75–95% yields) 12 examples
X = NH (65–75% yields) 8 examples
X = O (95–98% yields) 4 examples

(quantitative)
3 examples

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Synlett **2020**, *31*, 991–996
DOI: 10.1055/s-0039-1691737

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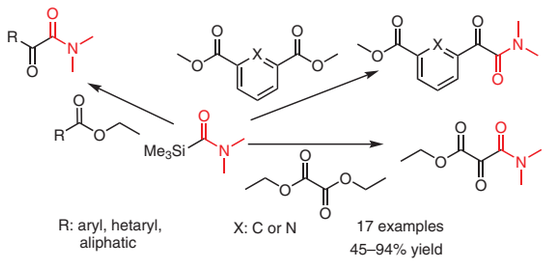
Practical Approach for the Preparation of α-Keto Amides by Direct Aminocarbonylation of Carboxylic Esters with a Carbamoylsilane

Letter

991



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Synlett **2020**, *31*, 997–1002
DOI: 10.1055/s-0040-1707991

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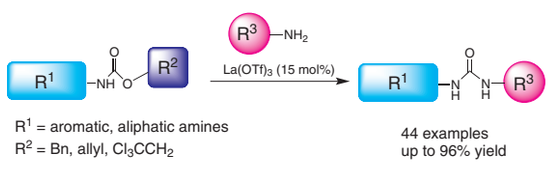
Lanthanum(III) Trifluoromethanesulfonate Catalyzed Direct Synthesis of Ureas from *N*-Benzyloxycarbonyl-, *N*-Allyloxycarbonyl-, and *N*-2,2,2-Trichloroethoxycarbonyl-Protected Amines

Letter

997



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Synlett **2020**, *31*, 1003–1006
DOI: 10.1055/s-0039-1690831

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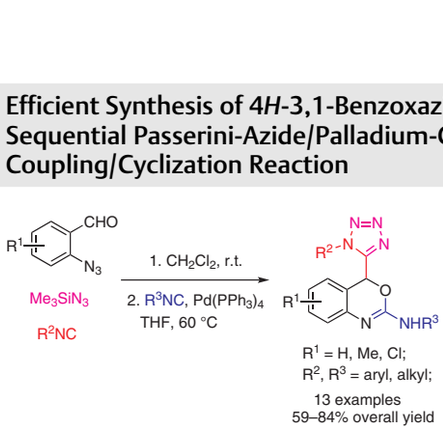
Efficient Synthesis of 4*H*-3,1-Benzoxazine Derivatives via One-Pot Sequential Passerini-Azide/Palladium-Catalyzed Azide–Isocyanide Coupling/Cyclization Reaction

Letter

1003



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DOI: 10.1055/s-0037-1610757

A Versatile, Diels–Alder Reaction-Based Approach to Prenyleudesmane Diterpenoids: A Concise Total Synthesis of Sinupol

Letter

1007

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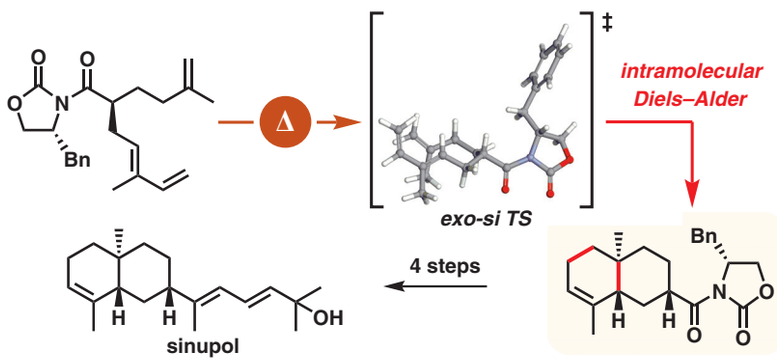

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Synlett **2020**, *31*, 1011–1014
DOI: 10.1055/s-0040-1707990

Copper-Mediated Synthesis of Aryl α-Keto Amides from Epoxide Derivatives

Letter

1011

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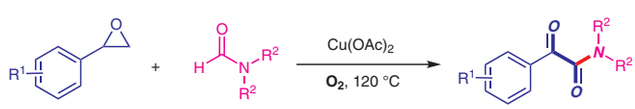

R^1 = EDG (Me, ^{t}Bu)
EWG (halo, CF_3, NO_2)
R^2 = alkyl

13 examples
up to 75% yield

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Synlett **2020**, *31*, 1015–1021
DOI: 10.1055/s-0040-1708003

Pd(0)-Catalyzed Direct Inter- and Intramolecular C–H Functionalization of 4-Carboxyimidazoles

Letter

1015

S. Frippiat
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T. Perse
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L. Meerpoel
V. Levacher
L. Bischoff
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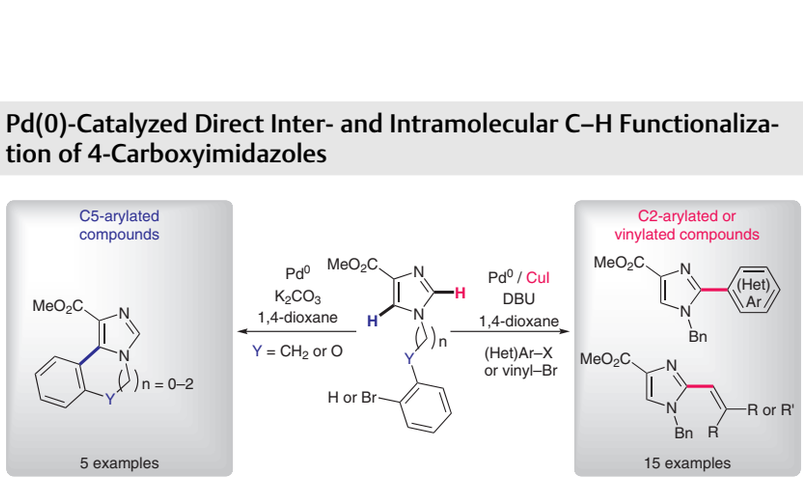

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Synlett **2020**, *31*, 1022–1026
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Iodine-Catalyzed [3+2]-Cyclization of Substituted Benzylidenemalononitriles and Ethyl Glycinate Hydrochloride: Direct Access to 5-Amino-1*H*-pyrrole-2-carboxylates

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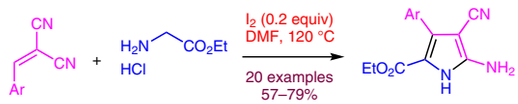

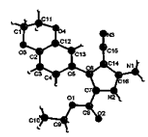

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