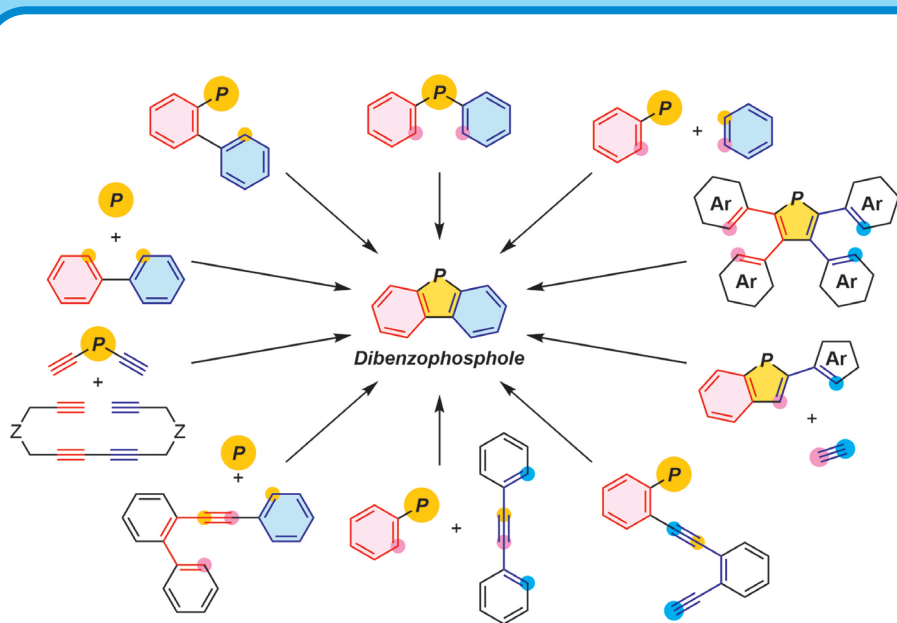


Synthesis

Reviews and Full Papers in Chemical Synthesis

January 19, 2024 • Vol. 56, 193–356



Synthetic Strategies for Accessing Dibenzophosphole Scaffolds

H. Hattori, K. Ishida, N. Sakai

2

Synthesis

Synthetic Strategies for Accessing Dibenzophosphole Scaffolds

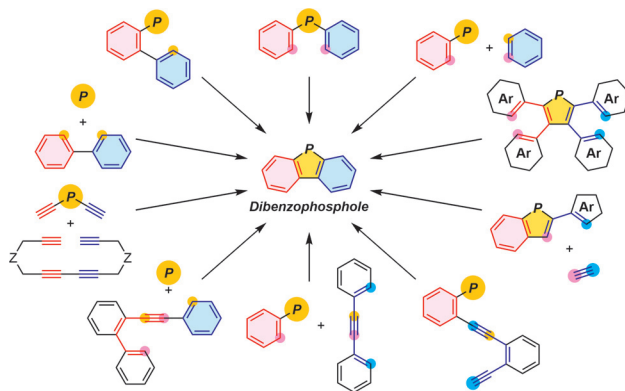
Review

Synthesis 2024, 56, 193–219
DOI: 10.1055/a-2109-0003

H. Hattori
K. Ishida
N. Sakai*

Tokyo University of Science,
Japan

193



Synthesis

Recent Developments on the Synthesis of Sulfoxides via Sulfenate Anions

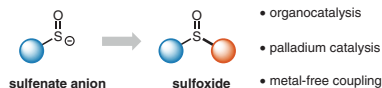
Short Review

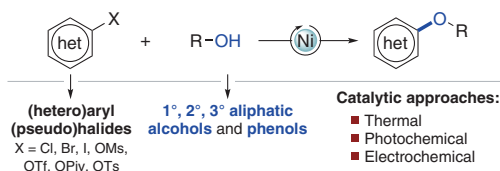
Synthesis 2024, 56, 220–228
DOI: 10.1055/a-2155-3498

F. Saito*

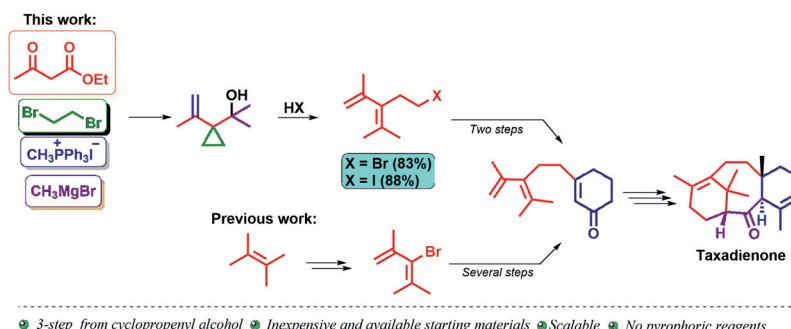
Ludwig Maximilian University,
Germany

220

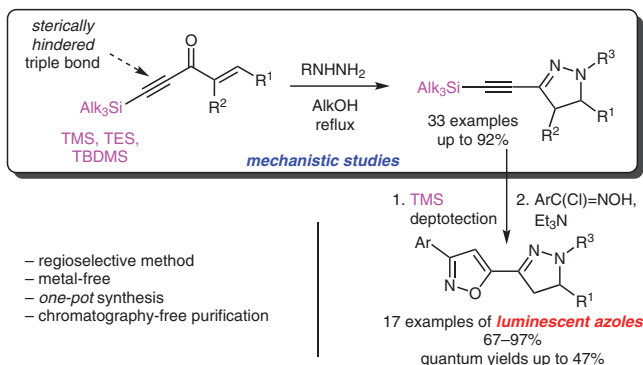


Advances in Nickel-Catalyzed *O*-Arylation of Aliphatic Alcohols and Phenols with (Hetero)aryl Electrophiles

A Practical Synthesis of Homoallylic Diene Halides: Versatile Synthons for the Preparation of the Taxane A-Ring System



Reactions of 5-(Trialkyl)silylpent-1-en-4-yn-3-ones with Hydrazines: Original Synthetic Routes to Luminescent Substances Containing Azole Motifs



Synthesis

Synthesis 2024, 56, 267–274
DOI: 10.1055/s-0042-1751504

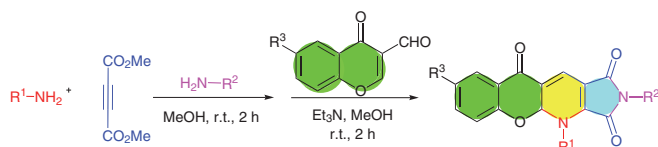
A. Alizadeh*
A. Rostampoor

Tarbiat Modares University, Iran

Convenient Synthesis of Functionalized Tetracyclic Dihydrochromeno-[2,3-*b*]pyrrolo[3,4-*e*]pyridine-triones via Four-Component Reactions

Paper

267



- Metal-free catalyst
- Regioselective reaction
- Yields up to 94%
- Multicomponent reaction

Synthesis

Synthesis 2024, 56, 275–280
DOI: 10.1055/a-2182-9098

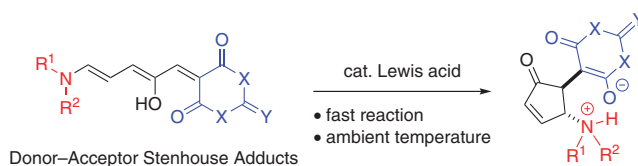
S. H. Yoon
K. S. Park
J. Kim
Y. Kwon*

Seoul National University,
Republic of Korea

Lewis Acid Catalyzed 4π-Electrocyclization of Donor–Acceptor Stenhouse Adducts

Paper

275



Synthesis

Synthesis 2024, 56, 281–292
DOI: 10.1055/a-2193-4701

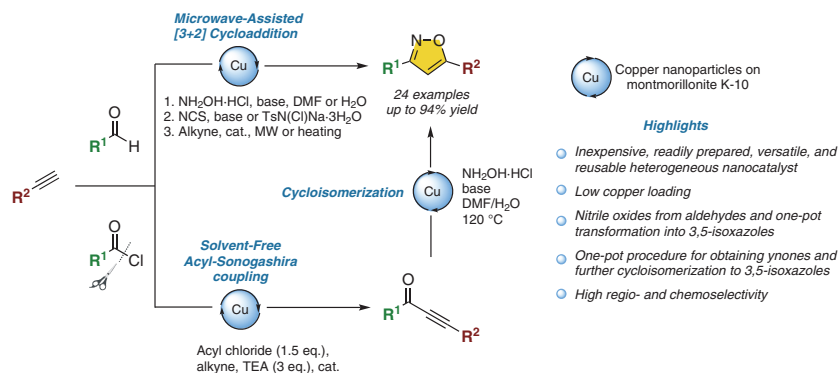
S. Stabile
E. E. Bjerg
G. Radivoy*

Universidad Nacional del Sur,
Argentina

Copper Nanoparticles on Montmorillonite K-10: A Versatile Catalyst for the One-Pot Synthesis of 3,5-Disubstituted Isoxazoles Using Various Methodologies

Paper

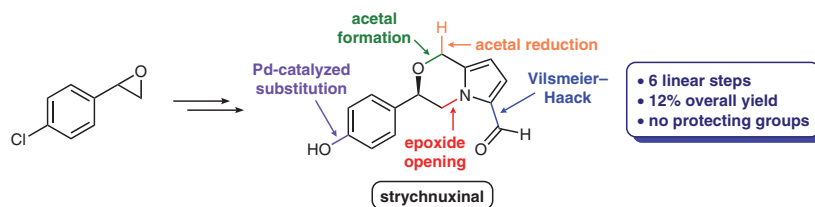
281



Synthesis 2024, 56, 293–298
DOI: 10.1055/s-0043-1763603

N. F. Okwor
P. D. Gujarati
K. P. Reber*

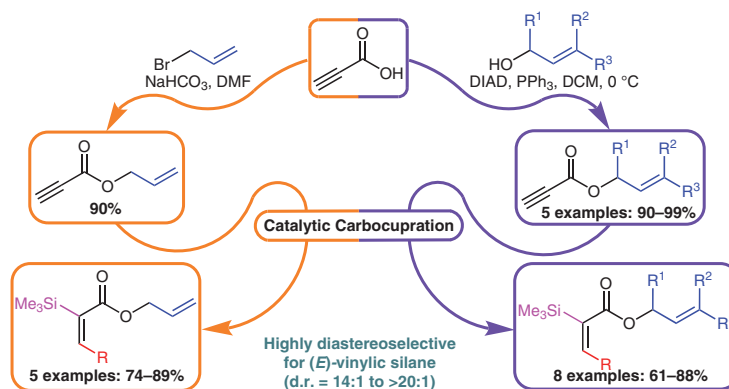
Towson University, USA



Synthesis 2024, 56, 299–311
DOI: 10.1055/a-2186-6964

C. D. Massey
T. S. Snowden*
M. P. Jennings

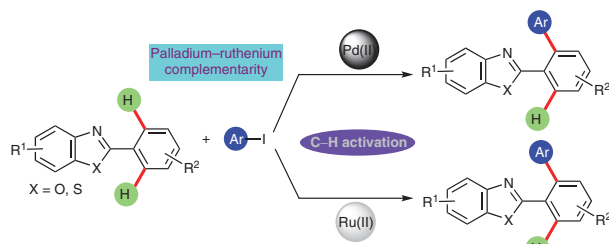
The University of Alabama, USA



Synthesis 2024, 56, 312–328
DOI: 10.1055/a-2193-4804

M. Maingle
S. Sunny
L. Sheeba
F. R. Pathan
K. Seth*

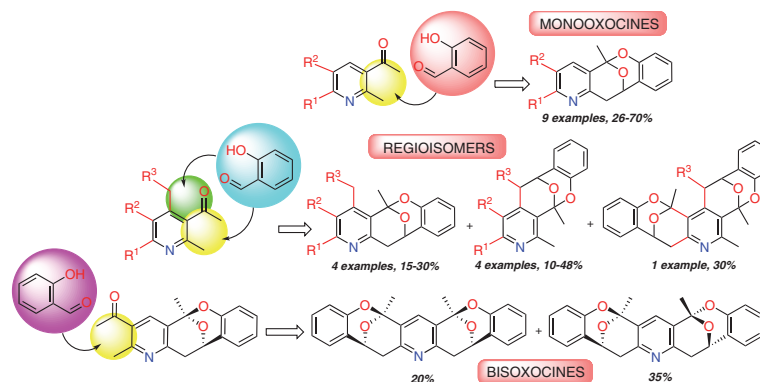
National Institute of Pharmaceutical Education and Research (NIPER) Guwahati, India



- Benzoxazole/benzothiazole as innate/native DG
- Biosignificant scaffolds
- High degree of site selectivity
- Mono-arylation only
- High reaction rate
- Decent yields
- Functional group compatible
- Broad substrate scope, in particular electron-deficient iodoarenes
- Gram-scale synthesis

A. L. Stalinskaya
S. Y. Chikunov
I. A. Pustolaikina
Y. V. Gatilov
I. V. Kulakov*Tyumen State University,
Russian Federation

Synthesis of New Structural Analogues of Natural Integrastatins with a Basic Epoxybenzo[7,8]oxocine Skeleton: Combined Experimental and Computational Study

E. A. Zhigileva
M. V. Molchanova
P. N. Solyev
A. A. Korlyukov
M. S. Baranov
A. A. Mikhaylov*Shemyakin-Ovchinnikov Insti-
tute of Bioorganic Chemistry of
the Russian Academy of Scienc-
es, Russian Federation

Examination of Diels–Alder/Tsuji–Trost Route towards Kopsia Alkaloids

