Late-Stage Transformation of Carboxylic Acids to N-Trifluoroethylimides with Trifluoromethyl Diazomethane

Recent Advances in One-Pot Enyne Metathesis Processes for the Preparation of Biologically and Medicinally Relevant Compounds

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Advances in Carbon–Element Bond Construction under Chan–Lam Cross-Coupling Conditions: A Second Decade

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### Palladium-Catalyzed Anti-Markovnikov Oxidation of Aromatic and Aliphatic Alkenes to Terminal Acetals and Aldehydes

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- **Cat. Pd/Oxidant**
  - **R = aryl, alkyl**

**Anti-Markovnikov Products**

### Recent Developments in Heck-Type Reaction of Unactivated Alkenes and Alkyl Electrophiles

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Peking University Shenzhen Graduate School, P. R. of China

- **Unactivated Alkenes**
- **Alkyl Electrophiles**

### Recent Advances in Metal-Catalyzed, Electrochemical Coupling Reactions of sp² Halides/Boronic Acids and sp³ Centers

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**Recent Application of Chiral Aryliodine Based on the 2-Iodoresorcinol Core in Asymmetric Catalysis**

Y. Wang*
B. Yang
X.-X. Wu
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Nantong University, P. R. China

**Contributing to the Study of Enzymatic and Chemical Glycosyl Transfer Through the Observation and Mimicry of Glycosyl Cations**

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Université de Poitiers, France

**A Catalytic One-Pot Synthesis of Indolyl Cyclobutanones**

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A. Frongia
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Anchored Pd(0) Nanoparticles on Synthetic Talc for the Synthesis of Biaryls and a Precursor of Angiotensin II Inhibitors

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A. R. de Oliveira
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N. L. C. Domingues*
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- new and recyclable Pd catalysts
- mild conditions and excellent yields
- drug precursor

Regioselective Functionalization of N-Fused Heteroaromatics via FeCl₃-Catalyzed Nucleophilic Addition to Activated N-Heterocycles

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FeCl₃-catalyzed regioselective nucleophilic addition of indolizines and pyrrolo[1,2-a]pyrazines to activated N-heterocycles is described.

Straightforward Synthesis of 3-Selenocyanato-Substituted Chromones through Electrophilic Selenocyanation of Enaminones under Grinding Conditions

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N-selenocyanatoselenophthalimide

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Late-Stage Transformation of Carboxylic Acids to N-Trifluoroethyl-imides with Trifluoromethyl Diazomethane

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W.-F. Zhang
X.-G. Hu*
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Late-stage transformation of carboxylic acids with trifluoromethyl diazomethane resulted in the formation of N-Trifluoroethyl-imides. 26 examples were prepared, achieving yields up to 96%.

Insertion Reaction of 2-Halo-N-allylanilines with K₂S Involving Trisulfur Radical Anion: Synthesis of Benzothiazole Derivatives under Transition-Metal-Free Conditions

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Y.-W. Zhao*
T. Jiang
W. Rao
S.-Y. Wang*
Soochow University, P. R. of China

Insertion of 2-halo-N-allylanilines with K₂S, DMF, Ar, 130 °C led to the synthesis of benzothiazole derivatives with yields up to 81%.

A Facile Total Synthesis of Mubritinib

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M. Cui
Q. Yang
C. Kuang*
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A four-step synthesis of Mubritinib, a gemfibrozil analogue, was achieved with a 54% overall yield. Click Chemistry was used for the final steps.