Ground State Cross-Coupling of Haloarenes with Arenes Initiated by Organic Electron Donors, Formed in situ: An Overview

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Azaheterocyclic Derivatives of ortho-Carborane: Synthetic Strategies and Application Opportunities

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Catalytic Strategies to Enantiopure Benzoins: Past and Future

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Aryl-Decarboxylation Reactions Catalyzed by Palladium: Scope and Mechanism

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Diverse One-Pot Electrophilic Trapping Reactions of 2-Quinolyl-zincates with Acyl Chlorides and Allyl Iodide

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**Leaving Group Ability in Nucleophilic Aromatic Amination by Sodium Hydride–Lithium Iodide Composite**

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**Stoichiometric and Catalytic (η⁵-Cyclopentadienyl)cobalt-Mediated Cycloisomerizations of Ene-Yne-Ene Type Allyl Propargyl Ethers**

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**Practical Synthesis of Fludarabine and Nelarabine**

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Fludarabine $R^1=NH_2$, $R^2=F$  
Nelarabine $R^1=OCH_3$, $R^2=NH_2$
Synthesis of Spirofluorenyl-1,2,4-oxadiazinan-5-ones through Metal-Free [3+3] Cycloaddition of N-Vinyl Fluorenone Nitrones with Aza-oxyallyl Cations

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Synthesis of Nonsymmetric Iminophosphonamines by Kirsanov Condensation

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Facile Access to 1,4-Disubstituted Pyrrolo[1,2-a]pyrazines from α-Aminoacetonitriles

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Synthesis of N-(Hetero)arylconvolvine Derivatives through a Palladium-Catalyzed Buchwald–Hartwig Cross-Coupling

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First Pd-catalyzed C(sp2)–N arylation of tropanone
Mild and operationally simple reaction conditions
Broad substrate scope and high FG tolerance
Antiproliferative activity

Iodine-Mediated Oxidative Cyclization of 2-(Pyridin-2-yl)acetate Derivatives with Alkynes: Condition-Controlled Selective Synthesis of Multisubstituted Indolizines

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Metal-Free Oxidative Coupling of Tetrahydroisoquinolines and 3-Fluorooxindoles on Water

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