Rhodium-Catalyzed Allylation Reactions

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Micelle-Mediated Chemistry in Water for the Synthesis of Drug Candidates

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**Vicinal Dichlorination of o-Vinylbiphenyls and the Synthesis of 9-(Arylmethyl)fluorenes via Tandem Friedel–Crafts Alkylations**

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16 examples
64–98% yield

32 examples
15–96% yield

**New Synthetic Route to Tucatinib**

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Y. Mao*
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L. Bu
L. Zhang
W. Chen

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16.7% over 9 steps
>99.5% (HPLC)

32.8% over 5 steps
99.1% (HPLC)
up to 110 g

67.0% over 3 steps
>99.5% (HPLC)

**Amination Reactions in Organic Synthesis**

A. et al.

A. et al.
Hitchhiker’s Guide to Reductive Amination

**DON’T PANIC**

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Sterically Hindered Amination of Aryl Chlorides Catalyzed by a New Carbazolyl-Derived P,N-Ligand-Composed Palladium Complex

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N-Aminations of Benzylamines and Alicyclic Amines with Nitrosoarenes to Hydrazones and Hydrazides

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Silver-Catalyzed para-Selective C–H Amination of 1-Naphthylamides with Azodicarboxylates at Room Temperature

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Y.-Y. Ma
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Palladium-Catalyzed Amination of Aryl Sulfides and Sulfoxides with Azaarylamines of Poor Nucleophilicity

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Enantioselective Synthesis of 2-Substituted Pyrrolidines via Intramolecular Reductive Amination

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A Short Synthesis of (2S,3S,4R)-Dihydroxyhomoprolines from D-Erythrose-Derived 5,6-Dihydro-2H-pyran-2-one

D. S. Freitas
J. Noro
A. Drogalin
M. C. S. Fernandes
A. V. M. Baptista
J. F. C. Parente
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Gold(III)/Sodium Diphenylphosphinobenzene-3-sulfonate (TPPMS) Catalyzed Dehydrative N-Benzylation of Electron-Deficient Anilines in Water

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