

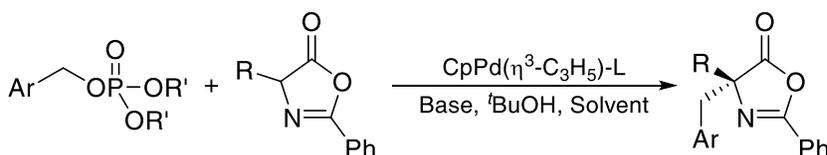
Catalog # 46-0065 Rhodium(III) acetylacetonate, 97+% (99.9%-Rh)



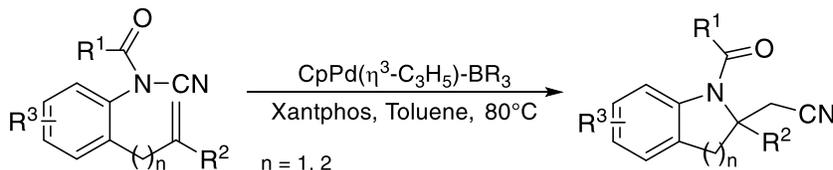
Catalysis Applications

Technical Notes:

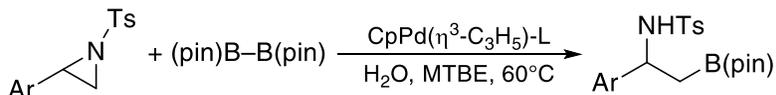
1. Catalyst for the asymmetric benzylation of azlactones
2. Used for the intramolecular aminocyanation of alkenes by cooperative palladium/boron catalysis
3. Complex used in palladium catalyzed regioselective borylative ring opening reaction of 2-arylaziridines to generate α -amino-borylethylborates
4. Catalyst for the intermolecular exchange between C–C and C–Si σ -bonds
5. Used in the enantioselective Pd-catalyzed [3+2] cycloaddition of trimethylenemethane and fluorinated ketones
6. Catalyst for the enantio- and diastereoselective synthesis of chiral allenes via asymmetric [3+2] cycloaddition reactions
7. Catalyst for asymmetric allylic fluoroalkylation/trifluoromethylation
8. Catalyst for enantioselective cycloadditions of nitrogen containing aromatics to generate heteroaryl-containing cycles
9. Used in the asymmetric synthesis of N-fused 1,3-oxazolidines via Pd-catalyzed decarboxylative (3+2) cycloaddition
10. Catalyst for enantioselective carbene insertion into carbon-silicon bonds of silacyclobutanes



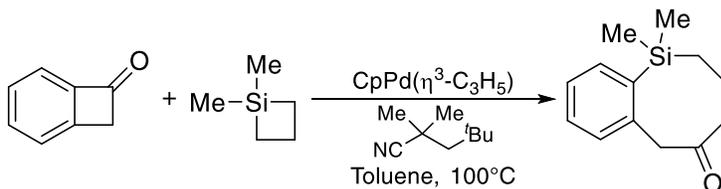
Tech Note (1)
Ref. (1)



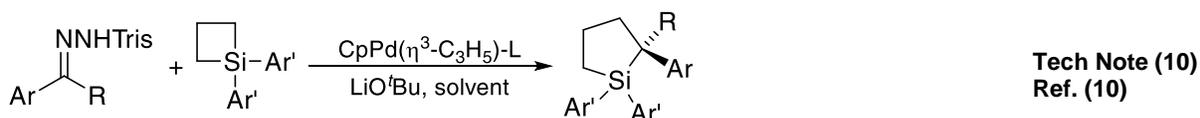
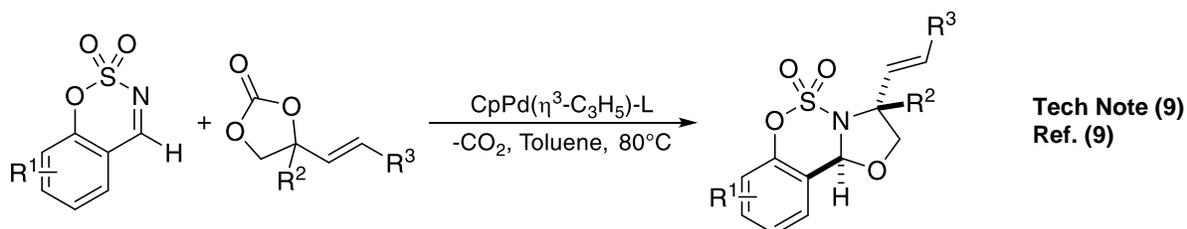
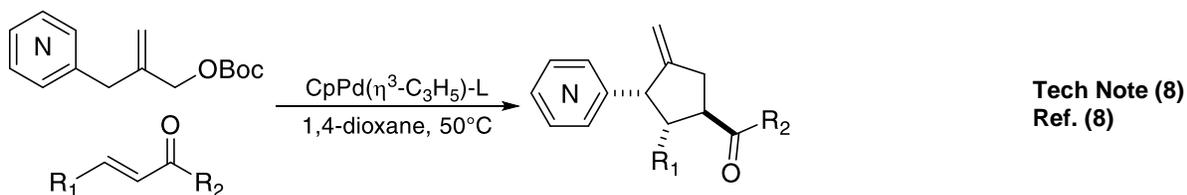
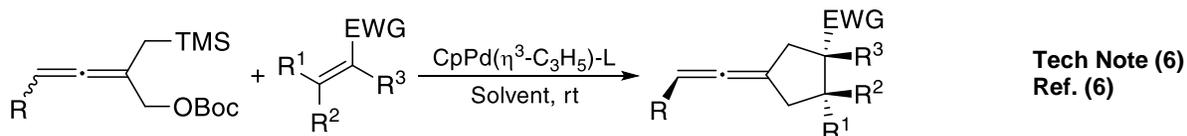
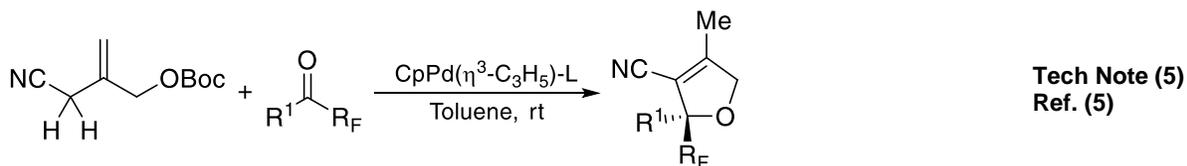
Tech Note (2)
Ref. (2)



Tech Note (3)
Ref. (3)



Tech Note (4)
Ref. (4)



References:

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2. [J. Am. Chem. Soc. 2014, 136, 3732](#)
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CVD/ALD Applications

Thermal Behavior:

- Decomposition at 155-156°C [1]
- Vapor pressure measurements are available in [2]

Technical Notes:

1. Low temperature CVD precursor for palladium thin film and nanoparticle deposition

Target Deposit	Deposition Technique	Delivery Temperature	Pressure	Co-reactants	Deposition Temperature	Ref.
Pd ^{Nanopart}	CVD	32°C	-	H ₂	150°C	3
Pd@SiO ₂	CVD	45°C	100 Torr	H ₂	55°C	4
Pd@C	CVD	50°C		H ₂		5

References:

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