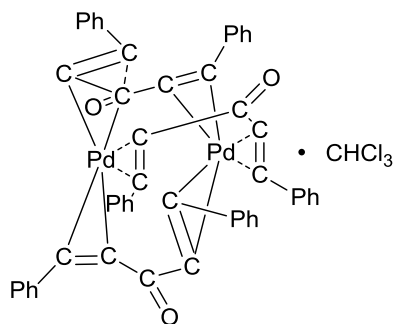# Strem Chemicals, Inc   www.strem.com

Catalog # 46-3010 Tris(dibenzylideneacetone)dipalladium(0) chloroform adduct


See also 46-0210 and 46-3000

Technical Notes:
1. Used for Pd-catalyzed asymmetric arylation, vinylation, and Allenylation of tert-cyclobutanols via enantioselective C−C Bond cleavage.
2. Used for synthesis of chiral chromans through the Pd-catalyzed asymmetric allylic alkylation (AAA).
3. Catalyst for double N-arylation of primary amines to synthesize multisubstituted carbazoles from 2,2'-biphenylylene ditriflates.
4. Paladium catalyst for regio- and enantioselective allylic alkylation of ketones through allyl enol carbonates.
5. Used for Pd-catalyzed enantioselective C-3 allylation of 3-substituted-1H-indoles using trialkylboranes.
6. Used for enantioselective construction of spirocyclic oxindolic cyclopentanes by Pd-catalyzed trimethylenemethane-[3+2]-cycloaddition.
7. Usewd for Pd-catalyzed insertion of α-diazoesters into vinyl halides to generate α,β-unsaturated γ-amino Esters.
8. Pd catalyst for decarboxylative asymmetric allylic alkylation of enol carbonates.
9. Palladium catalyst for asymmetric addition of oxindoles and allenes.
10. Catalyst for diastereo- and enantioselective formal [3+2]-cycloaddition between substituted vinylcyclopropanes and electron-deficient olefins.
11. Used for Pd-catalyzed asymmetric decarboxylative cycloaddition of vinylethylene carbonates with Michael sacceptors.
12. Catalyst for enantioselective [6+4] cycloaddition of vinyl oxetanes with azadienes to access ten-membered heterocycles.
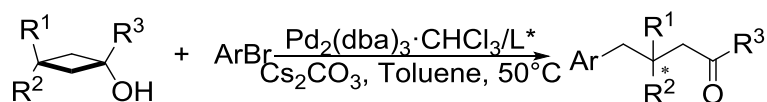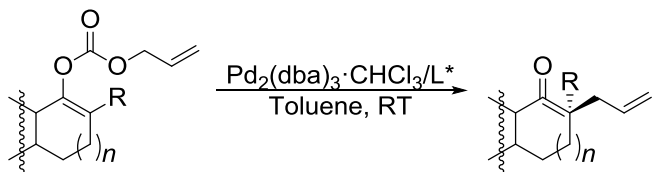

Tech. Note (1)
Ref. (1)
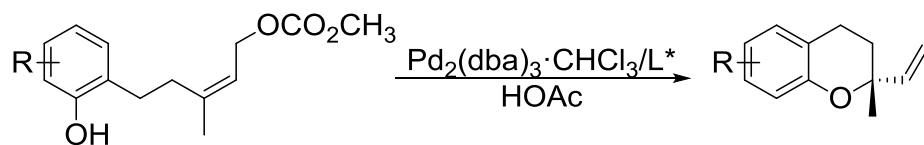
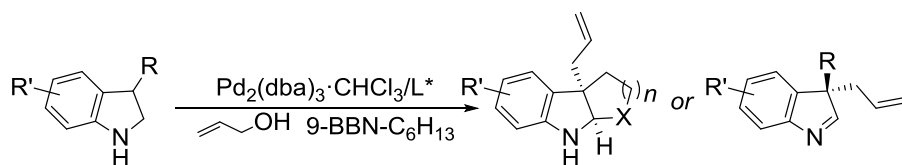Tech. Note (2)
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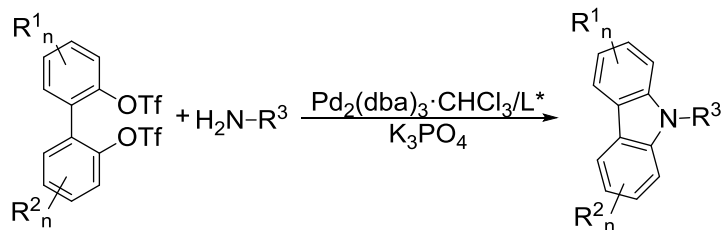
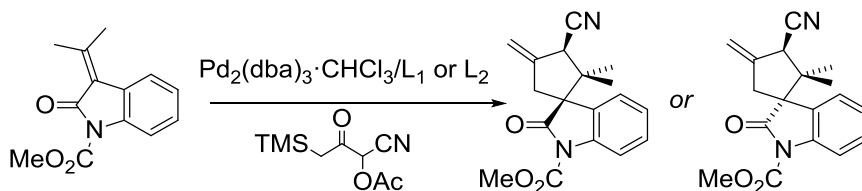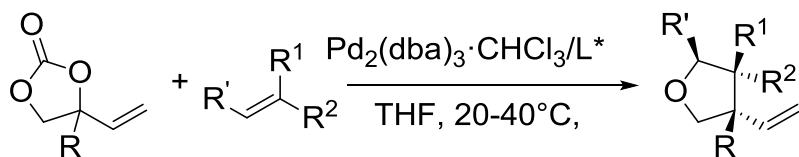**Tech. Note (3)**
Ref. (3)

Tech. Note (4)
Ref. (4)

Tech. Note (5)
Ref. (5)

Tech. Note (6)
Ref. (6)
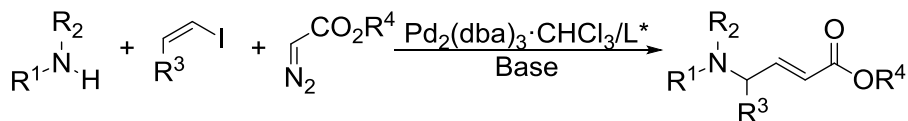
Tech. Note (7)
Ref. (7)
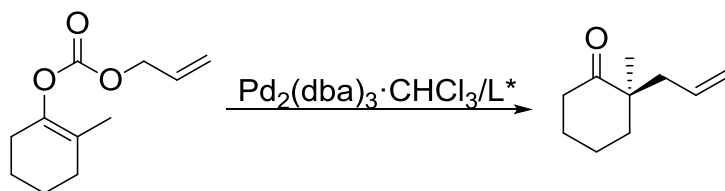
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Ref. (8)
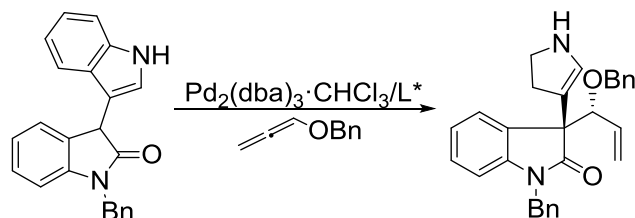
Tech. Note (9)
Ref. (9)

Tech. Note (10)
Ref. (10)

Pd$_2$(dba)$_3$·CHCl$_3$/L*

THF, 20-40°C,

Tech. Note (11)
Ref. (11)

NTs

R^2

X

R^1

Pd$_2$(dba)$_3$·CHCl$_3$/L*

O

R^3

R^3

TsN

10

R^2

X

R^1

O
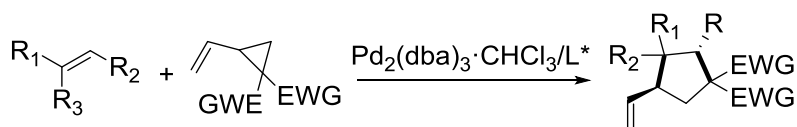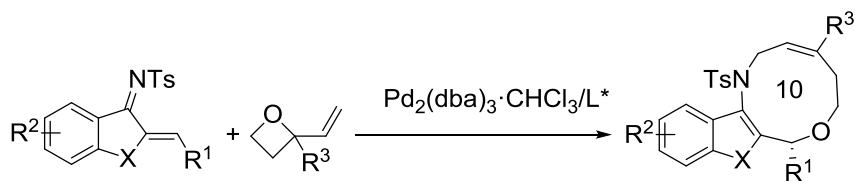
Tech. Note (12)
Ref. (12)

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