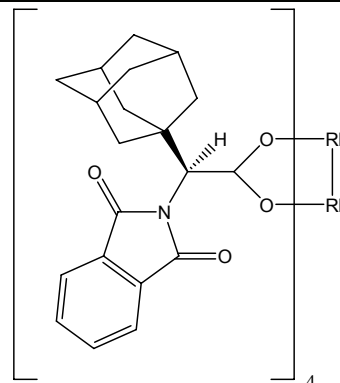


45-2100

45-2071

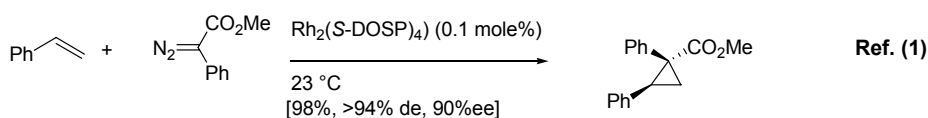


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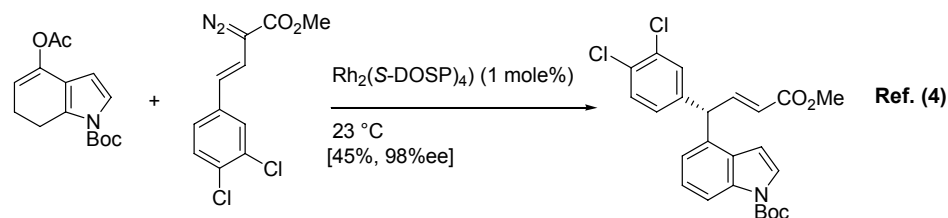
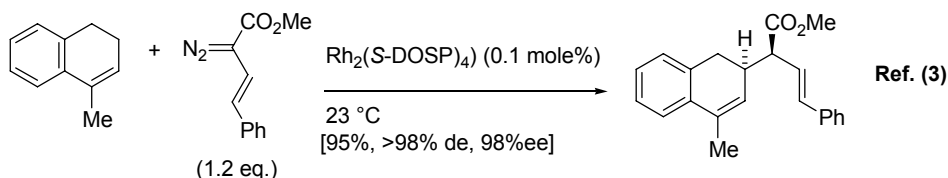
45-2100 Tetrakis[(R)-(+)-N-(p-dodecylphenylsulfonyl)prolinato]dirhodium (II) [178879-60-2]  
[C<sub>23</sub>H<sub>36</sub>NO<sub>4</sub>S]<sub>4</sub>Rh<sub>2</sub>; FW: 1896.22; green powdr.; [α]<sub>D</sub> +165° (c 0.1, CHCl<sub>3</sub>)

50mg  
250mg

### Enantioselective Cyclopropanation



### Enantioselective C-H Functionalization [Ref. 2]



### References:

1. *Org. Lett.*, **2003**, 5, 1403.
2. *Chem Rev.*, **2003**, 2861.
3. *J. Am. Chem. Soc.*, **2004**, 126, 10862.
4. *J. Am. Chem. Soc.*, **2006**, 128, 1060.

45-2101 Tetrakis[(S)-(-)-N-(p-dodecylphenylsulfonyl)prolinato]dirhodium (II) [179162-34-6]  
[C<sub>23</sub>H<sub>36</sub>NO<sub>4</sub>S]<sub>4</sub>Rh<sub>2</sub>; FW: 1896.22; green powdr.; [α]<sub>D</sub> -165° (c 0.1, CHCl<sub>3</sub>)

50mg  
250mg

### Technical Note:

1. See 45-2100.

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45-2070 Tetrakis[(R)-(-)-(1-adamantyl)-(N-phthalimido)acetato]dirhodium(II) Rh<sub>2</sub>(R-PTAD)<sub>4</sub> [909393-65-3] 50mg  
 C<sub>80</sub>H<sub>80</sub>N<sub>4</sub>O<sub>16</sub>Rh<sub>2</sub>; FW: 1559.32; green powder; [α]<sub>D</sub> -40.6 (c 0.067, CHCl<sub>3</sub>) 250mg  
 Note: Sold for research purposes only. US Patent Application 11/606,782.

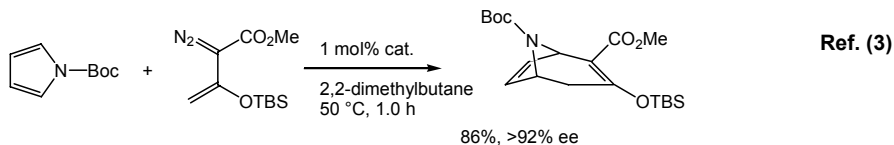
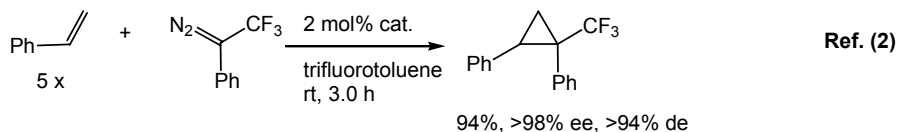
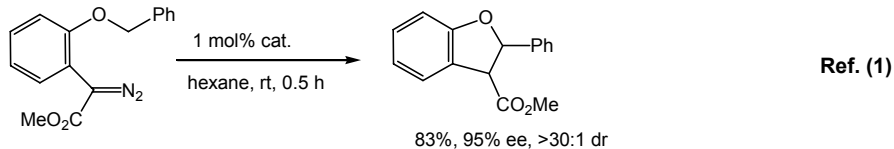
## Technical Note:

- See 45-2071

45-2071 Tetrakis[(S)-(+)-(1-adamantyl)-(N-phthalimido)acetato]dirhodium(II) Rh<sub>2</sub>(S-PTAD)<sub>4</sub> [909389-99-7] 50mg  
 C<sub>80</sub>H<sub>80</sub>N<sub>4</sub>O<sub>16</sub>Rh<sub>2</sub>; FW: 1559.32; green powder; [α]<sub>D</sub> +39.1 (c 0.2, CHCl<sub>3</sub>) 250mg  
 Note: Sold for research purposes only. US Patent Application 11/606,782.

## Technical Note:

- This chiral dirhodium tetracarboxylate catalyzes the conversion of donor/acceptor substituted diazo compounds to carbenoids capable of undergoing highly regio and stereoselective C-H insertions; cyclopropanations, and [4+3] cycloadditions.



## References:

- Org. Lett.*, **2006**, *8*, 3437.
- Org. Lett.*, **2007**, *9*, 2625.
- J. Am. Chem. Soc.*, **2007**, *129*, 10312.

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