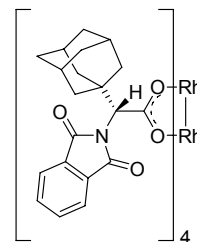
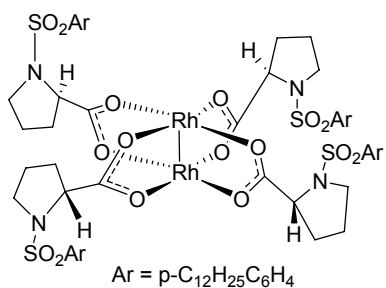


STREM $\text{Rh}_2(\text{DOSP})_4$ and $\text{Rh}_2(\text{PTAD})_4$

C-H Activation by means of Metal-Carbenoid-Induced C-H Insertion

metals · inorganics · organometallics · catalysts · ligands · custom synthesis · cGMP facilities · nanomaterials



45-2100 $\text{Rh}_2(\text{R-DOSP})_4$
45-2101 $\text{Rh}_2(\text{S-DOSP})_4$

shown
also available

45-2070 $\text{Rh}_2(\text{R-PTAD})_4$
45-2071 $\text{Rh}_2(\text{S-PTAD})_4$

shown
also available

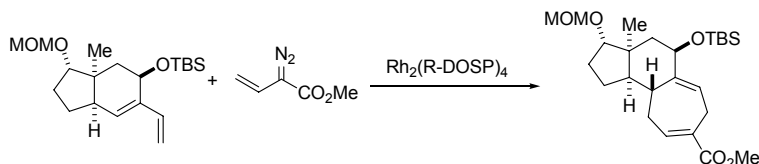
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45-2100 Tetrakis[(R)-(+)-N-(p-dodecylphenylsulfonyl)prolinato]dirhodium(II) $\text{Rh}_2(\text{R-DOSP})_4$ [178879-60-2]
[C₂₃H₃₆NO₄S]₄Rh₂; FW: 1896.22; green powdr.; [α]_D +165° (c 0.1, CHCl₃)
Note: Sold under license for research purposes.

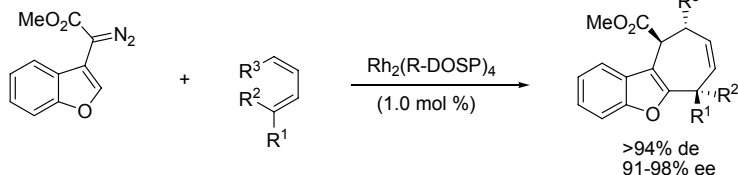
50mg
250mg

Technical Notes:

1. Catalyst used for tandem asymmetric cyclopropanation/Cope rearrangement.
2. Catalyst used for an asymmetric [4 + 3] cycloaddition.



Tech. Note (1)
Ref. (1)



Tech. Note (1)
Ref. (2)

References:

1. *Angew. Chem. Int. Ed.*, **2009**, *48*, 2398.
2. *Org. Lett.*, **2008**, *10*, 573.

45-2101 Tetrakis[(S)-(-)-N-(p-dodecylphenylsulfonyl)prolinato]dirhodium(II) $\text{Rh}_2(\text{S-DOSP})_4$ [179162-34-6]
[C₂₃H₃₆NO₄S]₄Rh₂; FW: 1896.22; green powdr.; [α]_D -165° (c 1.0, CHCl₃)
Note:
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50mg
250mg

Technical Note:

1. See 45-2100.

45-2070 Tetrakis[(R)-(-)-(1-adamantyl)-(N-phthalimido)acetato]dirhodium(II) $\text{Rh}_2(\text{R-PTAD})_4$ [909393-65-3]
C₈₀H₈₀N₄O₁₆Rh₂; FW: 1559.32; green powdr.; [α]_D -40.6 (c 0.067, CHCl₃)
Note: Sold for research purposes only. US Patent Application 11/606,782.

50mg
250mg

Technical Note:

1. See 45-2071.

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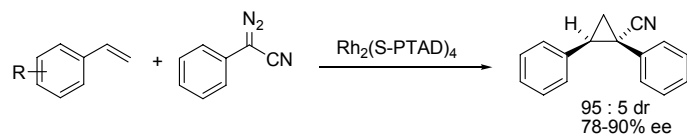
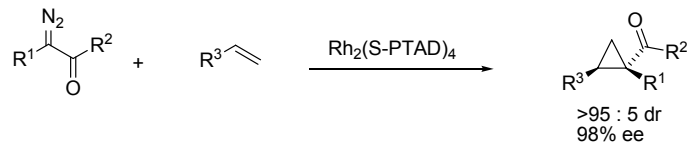
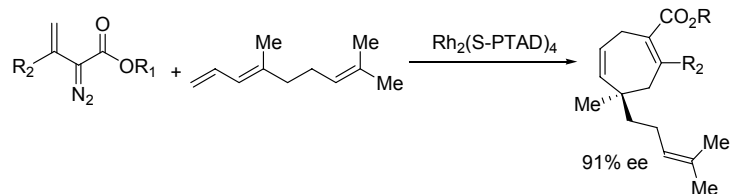
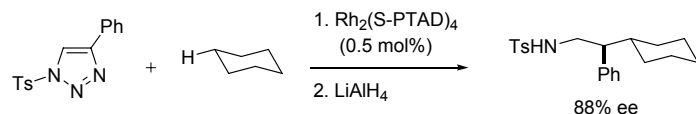
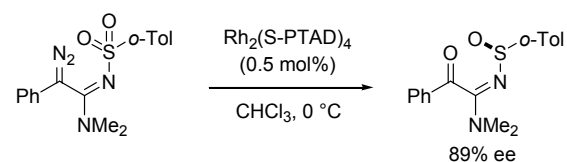
45-2071 Tetrakis[(S)-(+)-(1-adamantyl)-(N-phthalimido)acetato]dirhodium(II) Rh₂(S-PTAD)₄ [909389-99-7]C₈₀H₈₀N₄O₁₆Rh₂; FW: 1559.32; green powder; [α]_D +39.1 (c 0.2, CHCl₃)

Note: Sold for research purposes only. US Patent Application 11/606,782.

50mg
250mg

Technical Notes:

1. Enantioselective reactions of carbenoids and olefins.
2. Enantioselective C-H insertion reactions of carbenoids.
3. Enantioselective oxygen transfer from diazosulfonylamidines.

Tech. Note (1)
Ref. (1)Tech. Note (1)
Ref. (2)Tech. Note (1)
Ref. (3)Tech. Note (2)
Ref. (4)Tech. Note (3)
Ref. (5)

References:

1. *Chem. Commun.*, **2008**, 1238.
2. *Org. Lett.*, **2009**, 11, 787.
3. *J. Am. Chem. Soc.*, **2009**, 131, 8329.
4. *J. Am. Chem. Soc.*, **2011**, 133, 10352.
5. *J. Am. Chem. Soc.*, **2012**, 134, 2477.

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