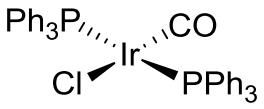
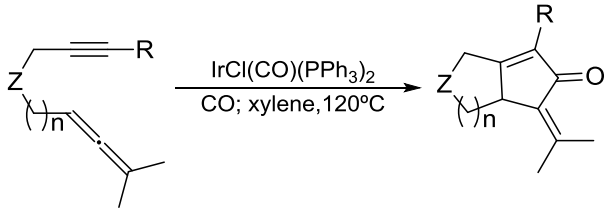
Strem Chemicals, Inc www.strem.com

Catalog # 77-0300 Chlorocarbonylbis(triphenylphosphine)iridium(I), 99% VASKA'S COMPLEX



Technical Notes

1. Catalyst for the intramolecular carbonylative [2+2+1] cycloaddition of allenynes.
2. Catalyst for the selective hydrogenation of myrcene.
3. Catalyst for silylation of ortho-functionalized aryl halides with hydrosilanes.
4. Catalyst for synthesis of aldenamines from carboxamides by silane-reduction/dehydration under mild conditions.
5. Hydrogen atom transfer catalyst for radical cyclizations.
6. Complex for photocatalytic alkane dehydrogenation.
7. Catalyst for chemoselective reductive nucleophilic addition to N-methoxyamides.
8. Catalyst for chemoselective reductive alkynylation of tertiary amides.



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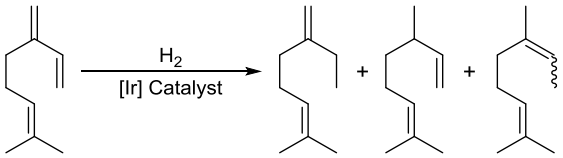
Ref. (1)



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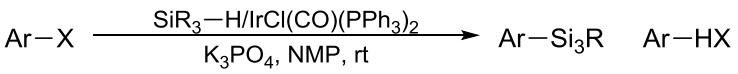

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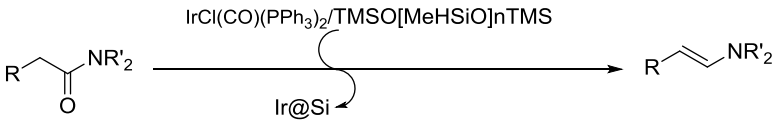

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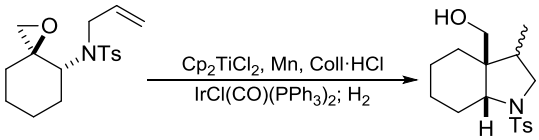

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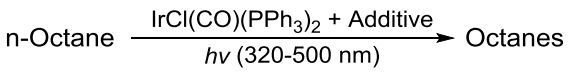

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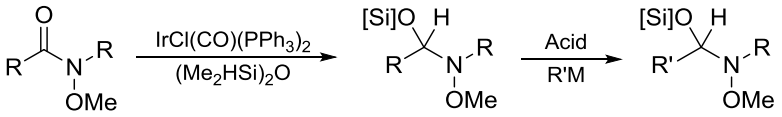

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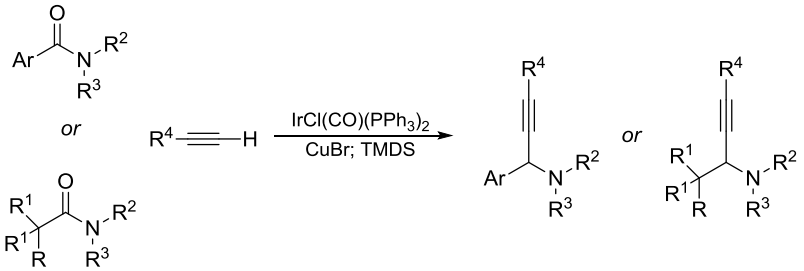

Tech. Note (8)
Ref. (8)

References:

1. *Synlett* **2003***, 4,* 0573
2. *J. Mol. Catal. A: Chem.,* **2005**, *239,* 603.
3. *Tetrahedron Letters,* **2006***, 47,* 7157.
4. *Chem. Commun.*, **2009**, 1574.
5. *J. Am. Chem. Soc.*, **2011**, *133*, 416.
6. *Angew. Chem. Int. Ed.,* **2014**, *53*, 6477.
7. *Org. Lett.*, **2015**, *17*, 1696.
8. *Chem. Commun.*, **2016**, *52*, 11967.