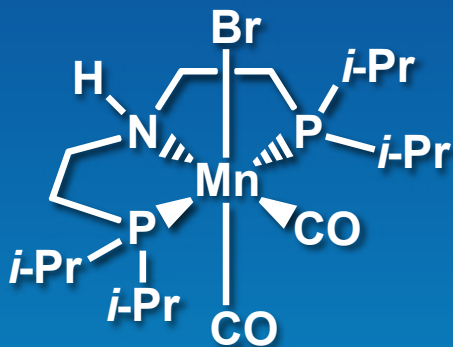


New



Highly Air-stable Manganese Catalyst Usable for Versatile Hydrogenations



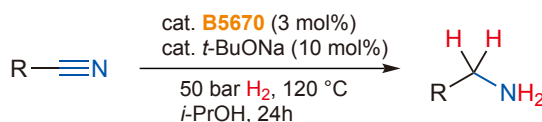
[B5670]

Advantages

- Highly Air-stable Manganese Complex
- Applicable to Various Hydrogenation and Transfer Hydrogenation Reactions
- Alternative to Precious Metal Catalysts

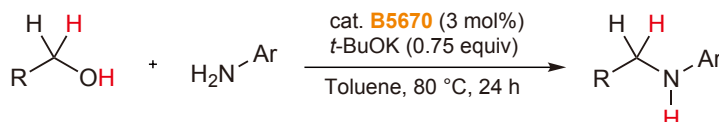
Applications

Hydrogenation of Nitriles, Ketones and Aldehydes



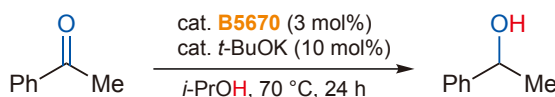
S. Elangovan, C. Topf, S. Fischer, H. Jiao, A. Spannenberg, W. Baumann, R. Ludwig, K. Junge, M. Beller, *J. Am. Chem. Soc.* **2016**, 138, 8809.

Formal N-Alkylation of Aryl Amines with Alcohols



S. Elangovan, J. Neumann, J. Sortais, K. Junge, C. Darcel, M. Beller, *Nat. Commun.* **2016**, 7, 12641.

Transfer Hydrogenation of Ketones



M. Perez, S. Elangovan, A. Spannenberg, K. Junge, M. Beller, *ChemSusChem* **2017**, 10, 83.

Dehydrogenation of Methanol



M. Andrez-Fernandez, L. K. Vogt, S. Fischer, W. Zhou, H. Jiao, M. Garbe, S. Elangovan, K. Junge, H. Junge, R. Ludwig, M. Beller, *Angew. Chem. Int. Ed.* **2017**, 56, 559.

B5670 Bromodicarbonyl[bis[(2-diisopropylphosphino)ethyl]amine]manganese(I)
100mg

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