



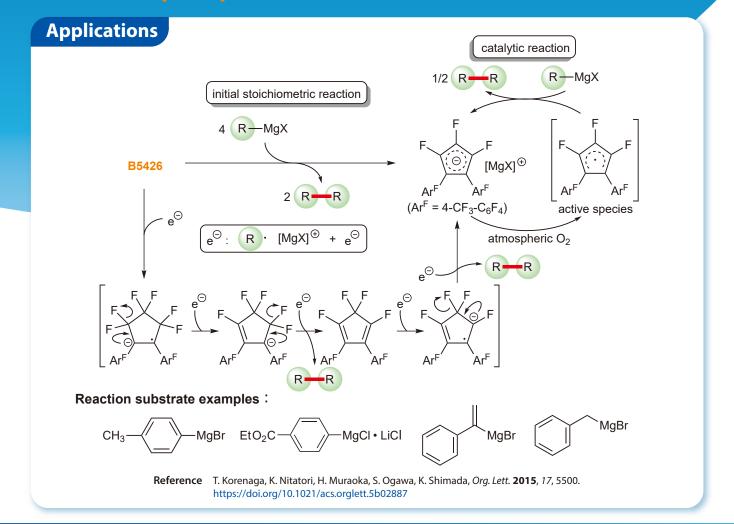
Organocatalyst Usable for the Oxidative Dimerization of Grignard Reagents



Advantages

- Four-electron oxidant transitions from stoichiometric reaction to catalytic reaction
- Effective for the dimerization of grignard reagents using air as a co-oxidant

1,2-Bis[2,3,5,6-tetrafluoro-4-(trifluoromethyl)-phenyl]-3,3,4,4,5,5-hexafluoro-1-cyclopentene
500mg
1854261



Organocatalyst Usable for the Oxidative Dimerization of Grignard Reagents **Introduction of the Researcher**

Organic Synthetic Chemistry Laboratory (The Korenaga Group)

Department of Chemistry and Biological Sciences, Faculty of Science and **Engineering, Iwate University**



Research Description

The Korenaga research group focuses on the strategy and development of homogeneous catalysis. Their group has developed fluorinated arylphosphine ligands to reduce catalytic loading in transition-metal catalysis. In addition, they have developed organocatalysts for traditionally transition-metal catalyzed reactions. The Korenaga group takes advantage of computational quantum chemistry to develop and refine novel catalysts, and collaborates with their quantum calculations with other laboratories.

For further information please refer to our website at www.TClchemicals.com. tci organocatalyst





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