

Pincer-type Chiral Rhodium Complex Catalyst



Bis(acetato)aqua[(*S,S*)-4,6-bis(4-isopropyl-2-oxazolin-2-yl)-*m*-xylene]rhodium

10 mg

[B4195]

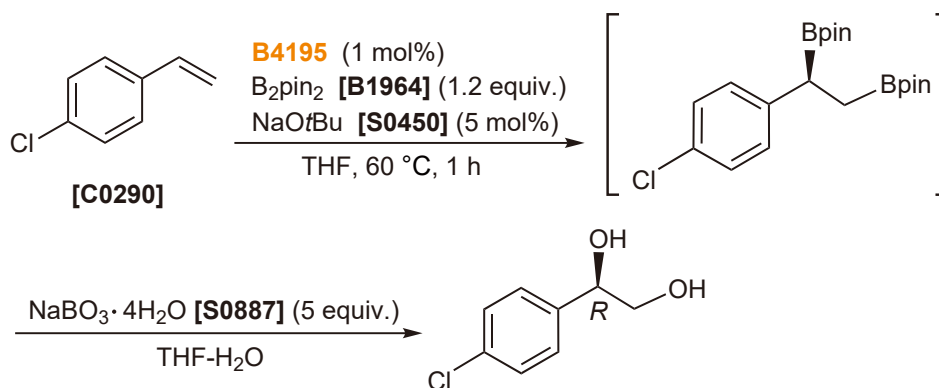
Advantages

- Converts terminal alkenes into optically active 1,2-diols
- Catalyzes cross-coupling of alkynes in the formation of stereoselective ene-yne

Reference J. Ito, H. Nishiyama, Yuki Gosei Kagaku Kaishi (J. Synth. Org. Chem., Jpn.) **2013**, 71, 791.
<https://doi.org/10.5059/yukigoseikyokaishi.71.791>

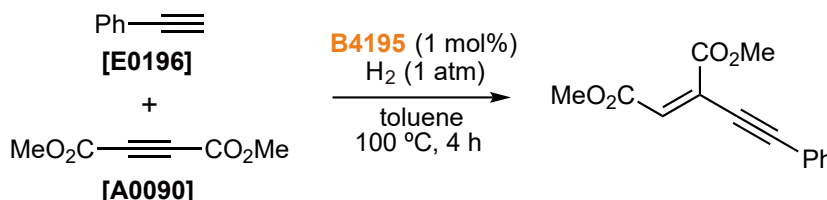
Applications

Asymmetric Diboration of Terminal Alkenes and Their Conversion to the Optically Active 1,2-Diols



Reference K. Toribatake, H. Nishiyama, *Angew. Chem. Int. Ed.* **2013**, 52, 11011. <https://doi.org/10.1002/anie.201305181>

Stereoselective Cross-coupling of Alkynes



Reference J. Ito, M. Kitase, H. Nishiyama, *Organometallics* **2007**, 26, 6412. <https://doi.org/10.1021/om700742t>

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