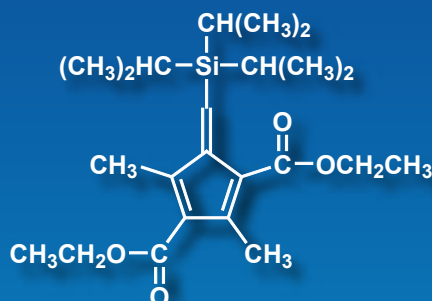
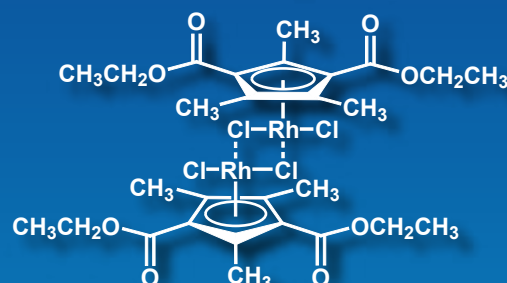


Electron-deficient Cyclopentadienyl Ligand Precursor and its Rhodium Complex



Diethyl 2,4-Dimethyl-5-[(triisopropylsilyl)methylene]-
1,3-cyclopentadiene-1,3-dicarboxylate
(*cis*- and *trans*- mixture)
1g [D5585]



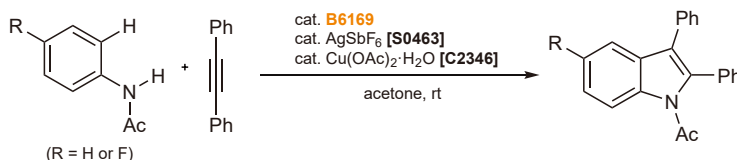
[1,3-Bis(ethoxycarbonyl)-2,4,5-trimethylcyclopentadien-
1-yl]rhodium(III) Dichloride Dimer
(= [Cp^ERhCl₂]₂)
200mg [B6169]

Advantages

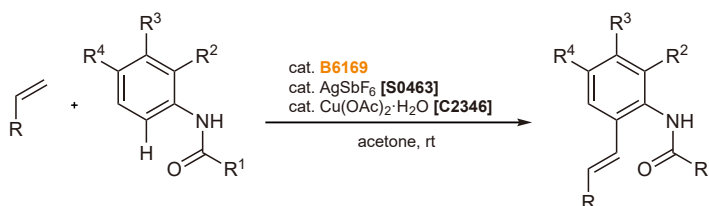
- D5585 is a precursor of the electron-deficient cyclopentadienyl ligand (Cp^E) and utilized in the formation of metal complex by simple operation.
- B6169 is a powerful precatalyst for C-H bond activation.

Applications

Oxidative annulation of anilides with alkynes^{1,2)}



Oxidative olefination of anilides with alkenes³⁾



- References 1) Y. Shibata, K. Tanaka, *Angew. Chem. Int. Ed.* **2011**, 50, 10917. <https://doi.org/10.1002/anie.201105517>
2) Y. Hoshino, Y. Shibata, K. Tanaka, *Adv. Synth. Catal.* **2014**, 356, 1577. <https://doi.org/10.1002/adsc.201300884>
3) Y. Takahama, Y. Shibata, K. Tanaka, *Chem. Eur. J.* **2015**, 21, 9053. <https://doi.org/10.1002/chem.201501232>

Related Products

Silver Hexafluoroantimonate(V) (= AgSbF₆)

Copper(II) Acetate Monohydrate (= Cu(OAc)₂·H₂O)

(Pentamethylcyclopentadienyl)rhodium(III) Dichloride Dimer (= [Cp^{*}RhCl₂]₂)

5g / 25g [S0463]

25g / 500g [C2346]

200mg / 1g [P1788]

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