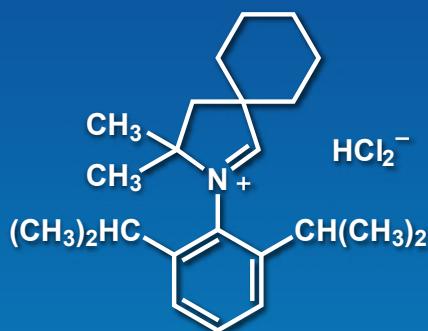


# Cyclic Alkyl Amino Carbene (CAAC) Precursors



2-(2,6-Diisopropylphenyl)-  
3,3-dimethyl-2-azaspiro[4.5]dec-  
1-en-2-ium Hydrogen Dichloride  
1g / 5g  
[D5596]



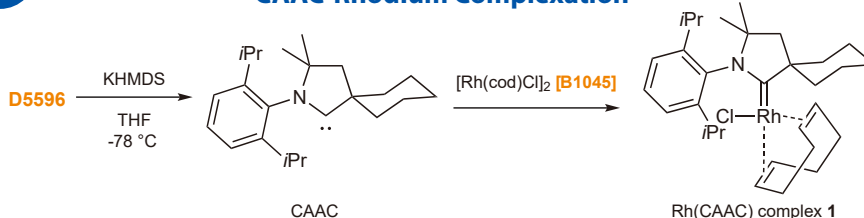
1-(2,6-Diethylphenyl)-2,2,4-trimethyl-  
4-phenyl-3,4-dihydro-2H-pyrrol-1-ium  
Tetrafluoroborate  
1g / 5g  
[D5655]

## Advantages

- Stronger  $\sigma$ -donating property than NHC
- Applicable to complexation with various metals
- CAAC-Rh complex efficiently catalyzes hydrogenation

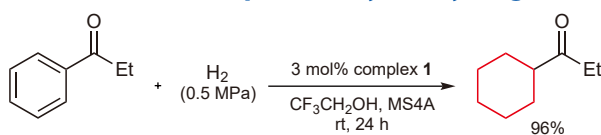
## Applications

### CAAC-Rhodium Complexation



Reference M. P. Wiesenfeldt, Z. Nairoukh, W. Li, F. Glorius, *Science* **2017**, 357, 908.  
DOI: <https://doi.org/10.1126/science.aao0270>

### CAAC-Rhodium Complex Catalyzed Hydrogenation



Reference Y. Wei, B. Rao, X. Cong, X. Zeng, *J. Am. Chem. Soc.* **2015**, 137, 9250.  
DOI: <https://doi.org/10.1126/science.aao0270>

## Related Product

[Rh(cod)Cl]<sub>2</sub> (= Chloro(1,5-cyclooctadiene)rhodium(I) Dimer)

100mg / 1g [B1045]

For further information please refer to our website at [www.TCIchemicals.com](http://www.TCIchemicals.com).

CAAC



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