

New

CHEMISTRY

TCI

Piers Borane with High Lewis Acidity and Catalytic Hydroboration Activity



Bis(pentafluorophenyl)borane

100mg / 500mg

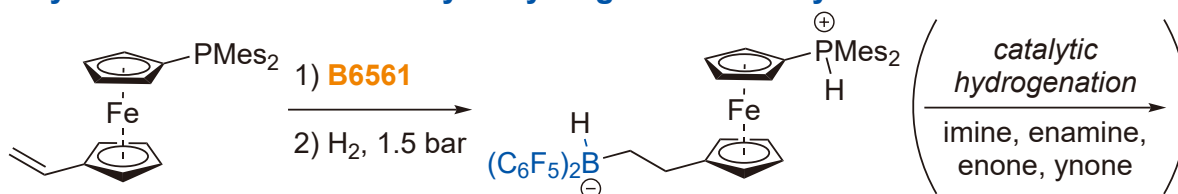
[B6561]

Advantages

- High catalytic activity for the hydroboration of alkenes and alkynes.
- Allows for the easy introduction of $B(C_6F_5)_2$ unit with high Lewis acidity.
- Useful for the synthesis of frustrated Lewis pairs (FLPs), which has a wide range of applications, including hydrogenation catalysts.

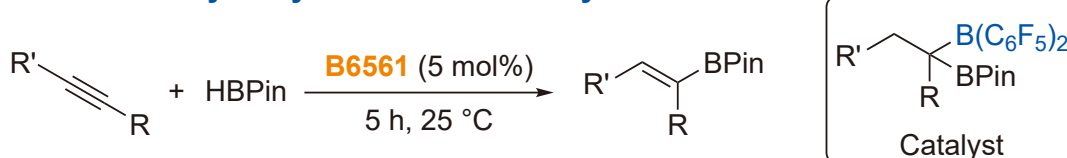
Applications

Synthesis of FLP with catalytic hydrogenation ability



Reference Z. Jian, P. Štěpnička, G. Erker, *et al.*, *Organometallics* **2017**, 36, 2940 <https://doi.org/10.1021/acs.organomet.7b00363>

Metal-free catalytic hydroboration of alkynes



Reference M. Fleige, D. W. Stephan, *et al.*, *Chem. Commun.* **2016**, 52, 10830. <https://doi.org/10.1039/C6CC05360B>

Related Product

Tris(pentafluorophenyl)borane

1g / 5g [T2313]

Ordering and Customer Service

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