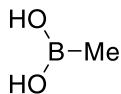
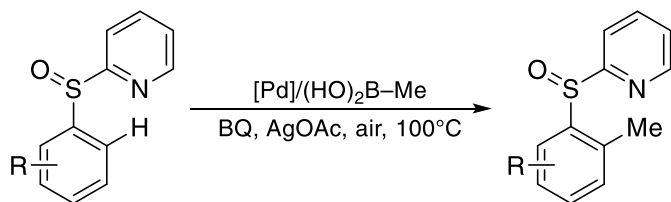
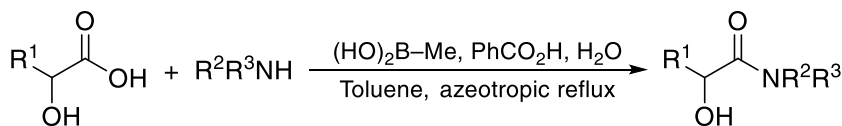
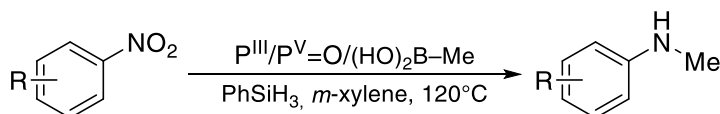
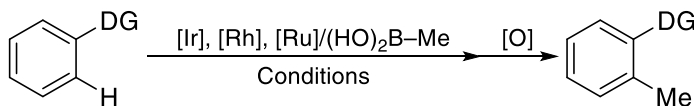
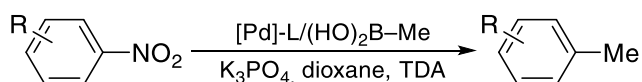
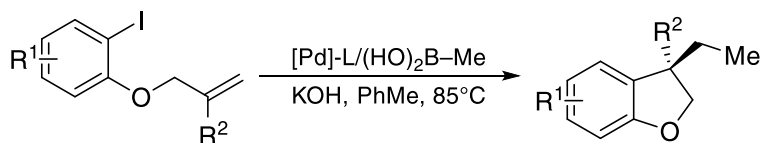


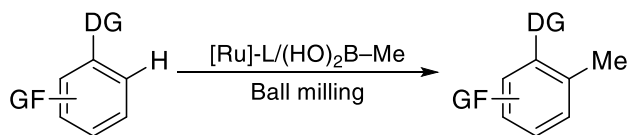
Catalog # 05-1635 CALLERY™ Methyl Boronic Acid, min. 96.5%, MBA



Technical Notes:

- Used in Pd-catalyzed coupling of arene C–H bonds with methylboron reagents assisted by the removable 2-pyridylsulfinyl group.
- Highly active catalyst for the dehydrative amide condensation of α -hydroxycarboxylic acids.
- Used for methylation in $P^{III}/P^V=O$ catalyzed intermolecular reductive C–N cross coupling of nitroarenes.
- Methylation reagent used in Ir, Rh, Ru-catalyzed C–H alkylation via oxidatively induced reductive elimination.
- Methylation reagent for sterically Pd/hindered N-heterocyclic carbene catalyzed Suzuki–Miyaura coupling of nitrobenzenes.
- Used for enantioselective dicarbofunctionalization of unactivated alkenes by Pd-catalyzed tandem Heck/Suzuki coupling reaction.
- Used in mechanochemical solvent-free catalytic C–H methylation.

Tech Note (1)
Ref. (1)Tech Note (2)
Ref. (2)Tech Note (3)
Ref. (3)Tech Note (4)
Ref. (4)Tech Note (5)
Ref. (5)Tech Note (6)
Ref. (6)



Tech Note (7)
Ref. (7)

References:

1. [J. Org. Chem. 2011, 76, 9525.](#)
2. [Org. Lett. 2013, 15, 3654.](#)
3. [J. Am. Chem. Soc. 2018, 140, 15200.](#)
4. [J. Am. Chem. Soc. 2019, 141, 4137.](#)
5. [Chem. Commun. 2019, 55, 9287.](#)
6. [Angew. Chem. Int. Ed. 2019, 58, 14653.](#)
7. [Angew. Chem. Int. Ed. 2021, 60, 6660.](#)