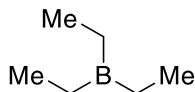
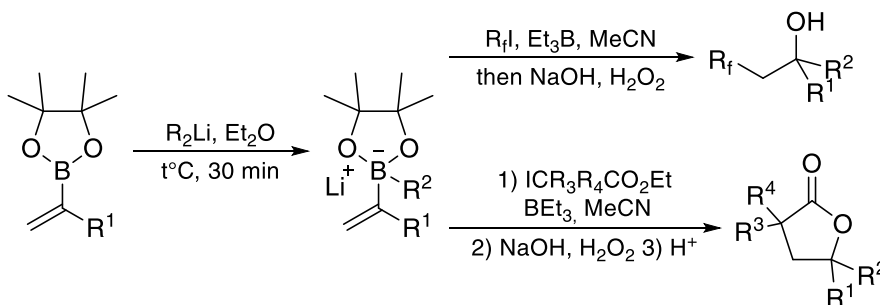
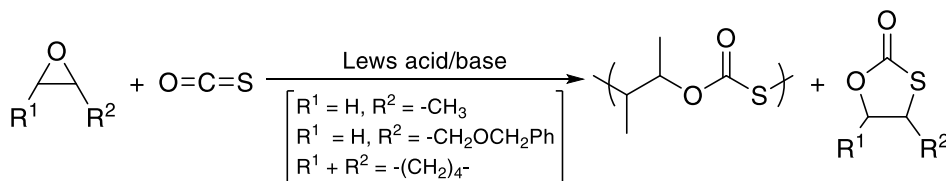
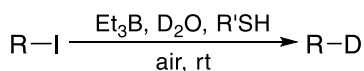
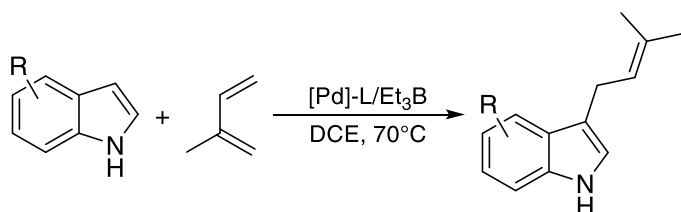


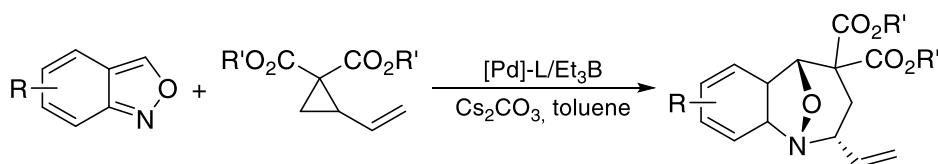
Catalog # 05-0550 CALLERY™ Triethylborane, 14% in tetrahydrofuran



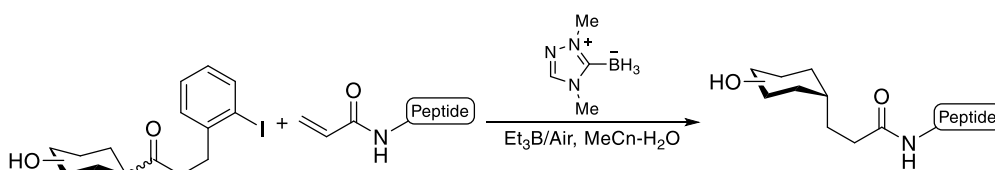
Technical Notes:

- Used as a radical initiator in the radical-polar crossover reactions of vinylboron "ate" complexes to form two C-C bonds in the absence of transition metals, via radical addition and a subsequent 1,2-R shift.
- Acts as a Lewis acid in the regioselective copolymerization of carbonyl sulfide and epoxides.
- Used for the deuteration of alkyl iodides via radical pathway using D₂O as source of deuterium.
- Additive used in the Pd-catalyzed prenylation of indoles with isoprene.
- Used in the Pd-catalyzed dearomatization of anthranils with vinylcyclopropanes by [4+3] cyclization reaction.
- Used as an ethyl radical initiator in the presence of air, a borane-carbene complex, glycosyl sulfoxides as radical precursor to initiate synthesis of glycopeptidomimetics and carbohydrate-drug conjugates.
- Catalyst for the metal-free alkynylsulfonylation of vinylarenes.
- Used in the KOtBu/BEt₃ catalyzed transition-metal-free chemoselective hydroborative reduction of nitro motifs.
- Reaction initiator in the radical addition of SF₅Cl to Cyclopropenes to generate (pentafluorosulfanyl)cyclopropanes.
- Reaction initiator for polymerization of dienyltriphenylarsonium ylides to afford random terpolymers with predominantly C5 repeating units.

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



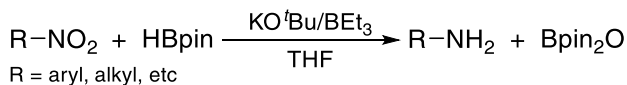
Tech Note (5)
Ref. (5)



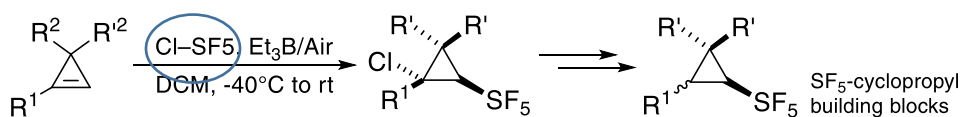
Tech Note (6)
Ref. (6)



Tech Note (7)
Ref. (7)

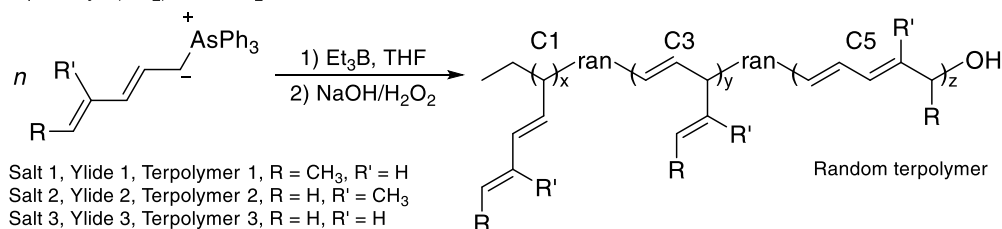


Tech Note (8)
Ref. (8)



Tech Note (9)
Ref. (9)

R₂ = CO₂Alkyl, CH₂OAc, Ph; R'₂ = H, CO₂Me, CO₂Ac;
R₁ = Alkyl, (CH₂)_nOR, CH₂NPhth



Tech Note (10)
Ref. (10)

References:

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