

## Organo-boron compounds

S 0040

DOI: 10.1002/chin.201018180

18- 180

**Boc Groups as Protectors and Directors for Ir-Catalyzed C—H Borylation of Heterocycles.** — Boc-protected pyrroles, pyrazoles, indoles, and azaindoles undergo Ir-catalyzed regioselective borylation at  $\beta$ -C position. The  $\alpha$ -position is not attacked. The Boc group can smoothly be removed under thermal conditions. Borylation of the tryptophan derivative (XI) takes place at C-2. — (KALLEPALLI, V. A.; SHI, F.; PAUL, S.; ONYEOZILI, E. N.; MALECZKA\*, R. E. J.; SMITH, M. R. I.; J. Org. Chem. 74 (2009) 23, 9199-9201; Dep. Chem., Mich. State Univ., East Lansing, MI 48824, USA; Eng.) — Jannicke

