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Main text (11 pt) Stable organic radicals have been widely used in the molecular design of the multi-step electron transfer materials, because of their multi-step redox processes involving the open-shell radicals and the corresponding closed-shell ionic species.1

Nitroxide complexes **2** were synthesized via the Hartwig-Buchwald coupling reaction of boron complex **1** with diarylamines (**Scheme 1**).2 Complexes **2** exhibited two-step one-electron oxidation processes attributable to the oxidations to the radical **3** and oxoammonium **4**.



**Scheme 1.** Synthesis of the boron complexes.

**References**

1. J. A. Bogart, H. B. Lee, M. A. Boreen, M. Jun, E. J. Schelter, *J. Org. Chem.* **2013**, *78*, 6344-6349.
2. M. Nakamura, R. Hyakutake, H. Fukumoto, T. Agou *et al., Dalton Trans.* **2022**, *51*, 13675-13680.

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