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Copper-Catalyzed Electrophilic Amination of Diorganozinc Reagents *J. Am. Chem. Soc.* **2004**, *126*, 5680–5681.

## Electrophilic Amination of Diorganozinc Reagents Using N-Hydroxylamine Benzoates

**Significance:** In 2004, Berman and Johnson developed the first electrophilic amination of N-hydroxylamine benzoates using diorganozinc reagents in the presence of  $[Cu(OTf)]_2 \cdot C_6H_6$ . This umpolung-type reaction allowed access to a broad range of highly functionalized secondary and tertiary amines under mild conditions.

**Comment:** The outstanding performance of *N*-hydroxylamine benzoates as electrophilic nitrogen sources has inspired various following publications, opening up new opportunities for amination reactions. Based on experimental studies, the authors excluded an oxidative addition/reductive elimination pathway and proposed a S<sub>N</sub>2-type pathway. For further insights into electrophilic aminations based on this pioneering work, see: *Synthesis* **2011**, *24*, 3954–3964.

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## Key words

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organozinc reagents

copper catalysis

