

Electrochemical hydrogenation of benzo[b]thiophene 1,1-dioxides with HFIP as hydrogen donor

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Abstract

A straightforward electrochemical hydrogenation of benzo[b]thiophene 1,1-dioxides with HFIP as the hydrogen donor has been reported in an undivided cell under metal-free conditions. Moreover, the tolerance of various functional groups and scaled-up experiments showed the practicability and potential applications of this methodology.

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