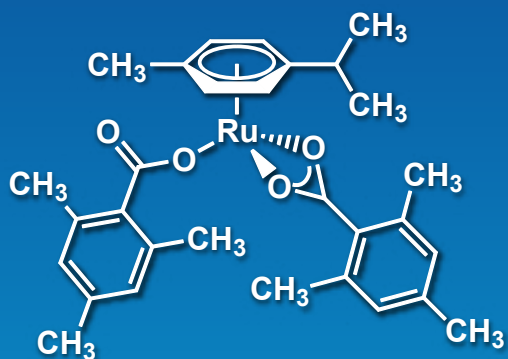


New

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Ruthenium Catalyst for the C-H Activation at *meta*-Position of Directing Group



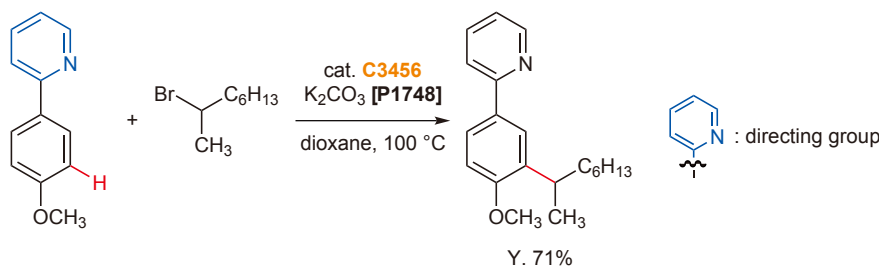
[C3456]

Advantages

- Useful for the *meta*-selective C-H functionalization of substituted benzene rings
- Applicable for *ortho*-selective decarboxylative C-H functionalization of benzoic acid derivatives

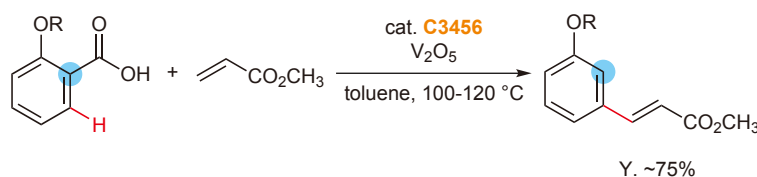
Applications

Introduction of Secondary Alkyl Groups at the *meta*-Position



N. Hofmann, L. Ackermann, *J. Am. Chem. Soc.* **2013**, *135*, 5877.

Decarboxylative C-H Functionalization



N. Y. P. Kumar, A. Bechtoldt, K. Raghuvanshi, L. Ackermann, *Angew. Chem. Int. Ed.* **2016**, *55*, 6929.

(*p*-Cymene)bis(mesitylcarboxylato)ruthenium(II)

500mg [C3456]

Related Materials Potassium Carbonate

300g [P1748]

This product was produced by collaboration with Prof. Lutz Ackermann, Georg-August-Universität.

For further information please refer to our website at www.TCIchemicals.com.

▶▶▶ ruthenium



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