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

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

\[
\text{toluene, 100-120 °C} \quad \text{dioxane, 100 °C}
\]

Decarboxylative C-H Functionalization

\[
\text{Br-C}_2\text{H}_5 \quad \text{CO}_2\text{CH}_3 \quad \text{Br-C}_6\text{H}_{13} \quad \text{OH}
\]


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

500mg [C3456]

Potassium Carbonate

300g [P1748]

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