Unusual Metal-Dependent Acceleration and Deceleration in the Metal-Catalyzed Hydrosilylation of Olefin Using Pyridyl-dimethylsilanes

Kenichiro Itami, Koichi Mitsudo, Akira Nishino, and Jun-ichi Yoshida

\[
\text{ArSiMe}_2\text{H} + \text{R} \xrightarrow{\text{M cat.}} \text{ArMe}_2\text{Si-}\text{R}
\]

- \( M = \text{Rh} \)  Reactivity: \( \text{Ar} = 2\)-Py >> 3-Py, 4-Py, Ph
  \[\text{ACCELERATION}\]
- \( M = \text{Pt} \)  Reactivity: \( \text{Ar} = 3\)-Py, Ph >> 2-Py, 4-Py
  \[\text{DECELERATION}\]