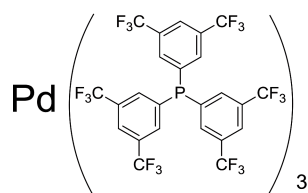


SHORT COMMUNICATION

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Superstable Palladium(0) Complex



An unprecedentedly thermo- and air-stable Pd^0 complex from readily available electron-poor trifluoromethylated phosphine is reported. The stability of the complex is associated with unusually strong ligand–

ligand noncovalent interactions. The unique stability of the complex and the presence of hydrophobic structural elements are exploited in catalytic Suzuki–Miyaura coupling reactions.

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Superstable Palladium(0) Complex as an Air- and Thermostable Catalyst for Suzuki Coupling Reactions



Keywords: Noncovalent interactions / Cross-coupling / Fluorinated ligands / Electron-deficient compounds / Palladium