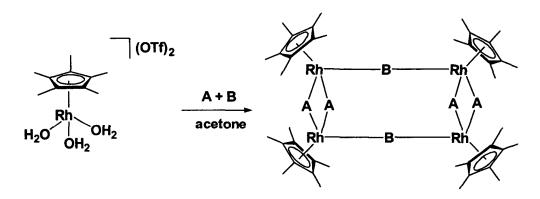
One-step Synthesis of Supramolecular Rectangles Starting from $(\eta^5$ -Pentamethylcyclopentadienyl)rhodium(III) Aqua Complex

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[Cp*Rh(H₂O)₃](OTf)₂ (1) reacts with a stoichiometric amount of A and B [A = Me₃SiN₃, B = 4,4'-bipridyl, (2a), A = Me₃SiNCO, B = 4,4'-bipridyl (2b)] in acetone at room temperature for 3 h to give the supramolecular complexes [Cp*₄Rh₄(μ -A)₄(μ -B)₂] [A = Me₃SiN₃, B = 4,4'-bipridyl, (2a), A= Me₃SiNCO, B = 4,4'-bipridyl (2b)]. Complexes 2a and 2b have been structurally characterized by X-ray diffraction.



2a; A = Me₃SiN₃, B = 4,4'-bipridyl, 2b; A= Me₃SiNCO, B = 4,4'-bipridyl