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**If There Was A Fourth Little Pig He Would Have Built His House Out Of These..... Design, Synthesis And Supramolecular Chemistry Of Two New Azaindole-Based Ligands.** Christer B Aakeröy, John Desper, Michelle Smith, Dept. of Chemistry, Kansas State Univ., Manhattan, KS 66502.

The construction of predictable assemblies and architectures using multifunctional supramolecular reagents is presented, enabling both new inorganic and organic hybrid materials to be investigated with respect to their hydrogen bonding functionality. It has been shown that it is possible to functionalize 7-azaindole (1) with a suitable side-arm (2) that can be fully utilized in this way, using a modular approach such that the two different bindings can preferentially and selectively form hydrogen bonds with two different molecules. This will lead to the possible formation of ternary supermolecules, and maybe even to larger molecules in the future.

