4,4'-Disubstituted 2,2'-Bipyridines for the Design of Push-Pull Ligands

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Starting from 4,4'-dimethyl-2,2'-bipyridine, five new 2,2'-bipyridines symmetrically disubstituted in the 4,4'-positions with either terminal alkenyl, (trimethylsilyl)aryl- or (trimethylsilyl)alkynyl groups, have been synthesized and structurally characterized.

Key words: 4,4'-Disubstituted 2,2'-Bipyridines, X-Ray Crystallography, ^{1}H and ^{13}C NMR Spectroscopy