The Open-Chain Triphosphanes RMe₂SiCH₂P(PR’₂)₂ (R = Me, Ph; R’= SiMe₃, Cy, Ph).

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Supplementary Information

The resolution of experimental spectra for the cyclohexyl systems is compromised by broadening observed for some of the transitions, specifically the middle resonances of the A spin component, however, the application of mild resolution enhancement facilitates measurement of the appropriate datum in each case.

Compound 4 simulation (top) and spectrum (bottom) for A spin.
Compound 4 simulation (top) and spectrum (bottom) for M spins.
Compound 6 simulation (top) and spectrum (bottom) for A spin.
Compound 6 simulation (top) and spectrum (bottom) for M spins.
Compound 7 simulation (top) and spectrum (bottom) for A spin.
Compound 7 simulation (top) and spectrum (bottom) for M spins.
Compound 8 simulation (top) and spectrum (bottom) for A spins.
Compound 8 simulation (top) and spectrum (bottom) for M spins.
Compound 9 simulation (top) and spectrum (bottom) for A spin.
Compound 9 simulation (top) and spectrum (bottom) for M spins.
Compound 10. $^{31}$P{$^1$H} NMR spectrum (bottom) and simulated for AA’BB’ spin system (top) showing all transitions (line broadening = 0.5 Hz). Scale in PPM

Compound 10. $^{31}$P{$^1$H} NMR spectrum (bottom) and simulated for AA’BB’ spin system (top) using universal line broadening of 3 Hz. Scale in PPM