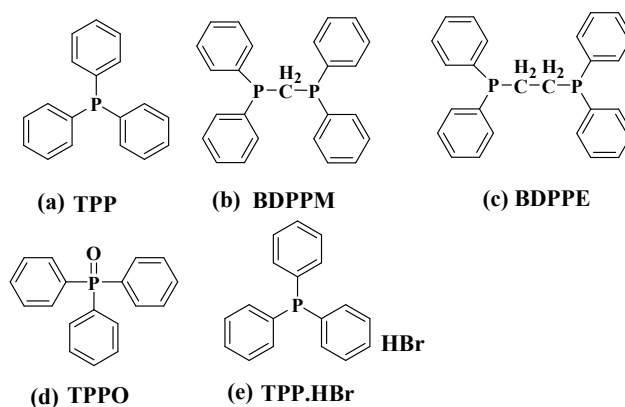


Supporting Information

Facile Iron(III)-Mediated ATRP of MMA with Phosphorus-Containing Ligands in the Absence of Any Additional Initiators

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Scheme S1. The structures of Some Phosphorus ligands used in this work.

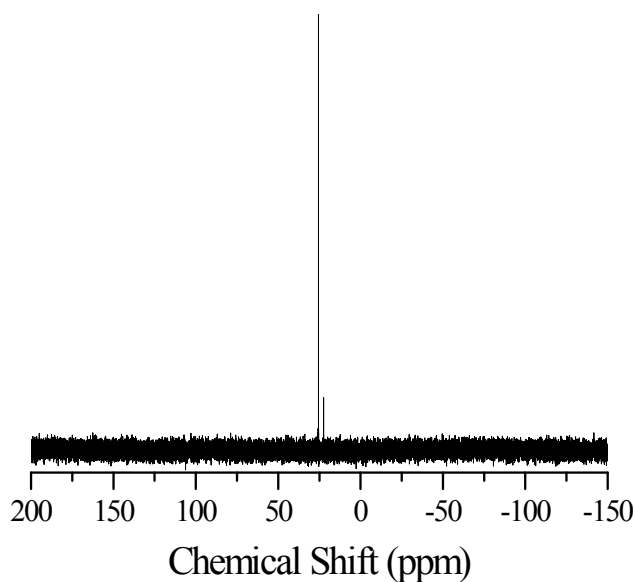


Figure S1. ³¹P NMR spectrum of PMMA obtained with [MMA]₀/[TPP]₀ = 100/2 (entry 2 in Table S1) using CDCl₃ as the solvent and tetramethylsilane (TMS) as the internal standard. Polymerization conditions: [MMA]₀/[TPP]₀ = 100/2, bulk, temperature = 90 °C, time = 70 h.

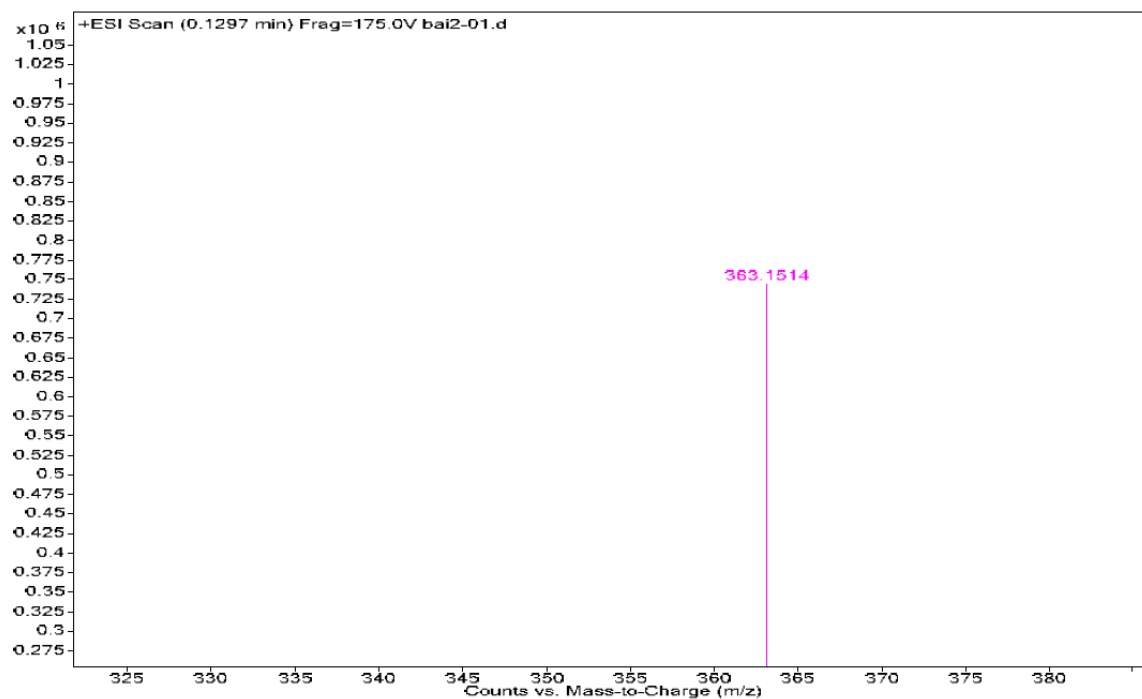


Figure S2. LC-MS spectrum of MMA/TPP = 10/1 (formula (M): $C_{23}H_{23}O_2P$) with MeCN as solvent.