Initiation: Initial Equilibrium: R-X + Cu⁽¹⁾/L -Cu^(II)X/L + R Addition of First Monomer: R* + M Propagation: ATRP Equilibrium: Cu^(II)X/L + $P_i - X + Cu^{(1)}/L$ Monomer Addition: P_{i+1} M Termination: disproportionation

combination

 P_{i+j}

Pi + Pi