

Figure 1. The effect of the initial concentration of the monomer on the polymerization of α -methylstyrene initiated by TiCl_4 in CH_2Cl_2 at -78°C . The concentration of the initiator was $1.0 \times 10^{-2} \text{ mol/L}$. The concentration of the monomer was (a) 0.1 mol/L , (b) 0.2 mol/L , (c) 0.3 mol/L , (d) 0.4 mol/L , (e) 0.5 mol/L , (f) 0.6 mol/L , (g) 0.7 mol/L , (h) 0.8 mol/L , (i) 0.9 mol/L , (j) 1.0 mol/L . The concentration of the monomer was (a) 0.1 mol/L , (b) 0.2 mol/L , (c) 0.3 mol/L , (d) 0.4 mol/L , (e) 0.5 mol/L , (f) 0.6 mol/L , (g) 0.7 mol/L , (h) 0.8 mol/L , (i) 0.9 mol/L , (j) 1.0 mol/L .