



**Additional Figure 2. Inhibition of V108A L-iLDH by D-mandelate.** Purified V108A L-iLDH (1  $\mu\text{g}$ ) was incubated in the reaction mixture contained 0.0625 mM DCIP and 50 mM Tris-HCl (pH 7.5) at 30°C. The reaction was started with different L-mandelate concentrations at variable D-mandelate concentrations. ■, no D-mandelate; ●, 6.25 mM D-mandelate; ▲, 12.5 mM D-mandelate; ▼, 25 mM D-mandelate; ◄, 37.5 mM D-mandelate. The patterns of double-reciprocal plots indicate a competitive inhibition. The  $K_i$  value was estimated to be  $5.5 \pm 0.5$  mM.