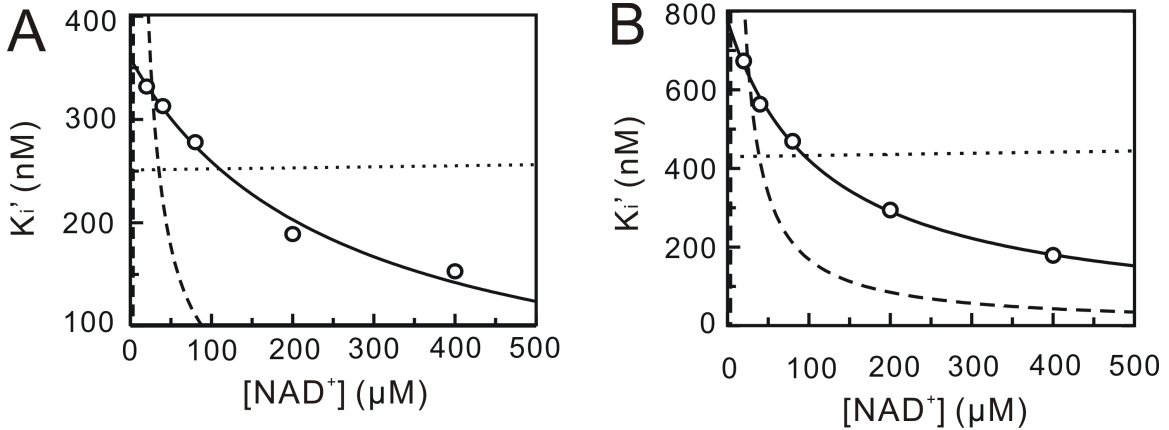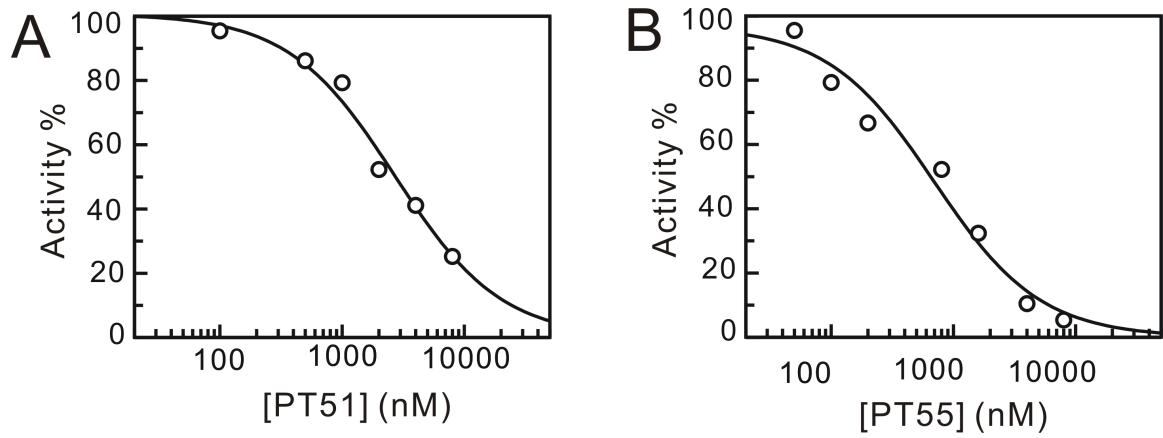## Supplementary Figures

Figure S1. Preincubation analysis for the inhibition of bpFabI-1 by PT52 and PT68. (**A**)The effect of NAD$^+$ on the apparent inhibition constant of PT52. The solid, dashed and dotted lines are the fits of the data to equations in which the inhibitor binds to both E-NADH and E-NAD$^+$ (solid line), only E-NAD$^+$ (dashed line) or only E-NADH (dotted line). The best fit (solid line) is obtained using $Ki' = K_2(1 + [NAD^+]/K_{m'NAD})/[1 + [NAD^+]/(K_{m'NAD} K_1/K_2)]$, with $K_1 = 3.69 \pm 0.35$ nM and $K_2 = 359 \pm 10$ nM. (**B**) The effect of NAD$^+$ on the apparent inhibition constant of PT68. The solid, dashed and dotted lines are as described in **A**, and the best fit (solid line) is again obtained with the equation in which PT68 binds to both E-NAD$^+$ and E-NADH with $K_1 = 6.12 \pm 0.31$ nM and $K_2 = 776 \pm 17$ nM.

Figure S2. Dose-response of bpFabI-1 of PT51 and PT55. (**A**) The IC_{50} of PT51 was 2699 ± 287 nM, and (**B**) The IC_{50} of PT55 was 695 ± 132 nM.