

(a)



Figure 1 consists of two vertically stacked panels sharing a common x-axis labeled 'Molar Ratio' ranging from 0.0 to 2.5. The top panel's y-axis is labeled ' $\mu\text{cal/sec}$ ' and ranges from -0.05 to 0.01. It displays a highly oscillatory black line representing ATP hydrolysis rate over time (0 to 50 minutes), with a red line indicating a linear fit. The bottom panel's y-axis is labeled ' kcal mol^{-1} of injectant' and ranges from -10.0 to 0.0. It shows black square data points representing the rate of ATP hydrolysis at various molar ratios, with a red curve representing a parabolic fit.

(b)

