

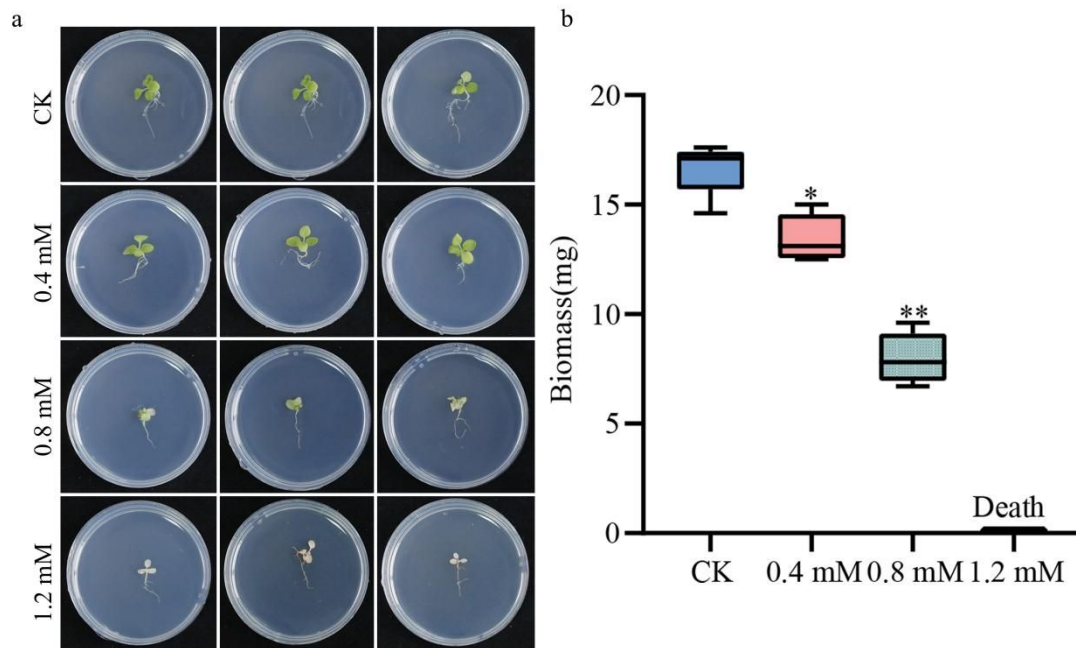


Fig. S12. β -Carboline inhibits *N. benthamiana* seedling growth in a dose-dependent manner. Seedlings were treated with 0 (control, CK), 0.4, 0.8, or 1.2 mM β -Carboline and assessed for phenotype and fresh weight at 7 days post-treatment. (a) Representative images of seedlings at 7 days post-treatment. (b) Fresh weight (biomass) quantification corresponding to panel a. Data are means $\pm$ SD (n = 15 biological replicates). An asterisk indicates a significant difference from CK (P < 0.01).