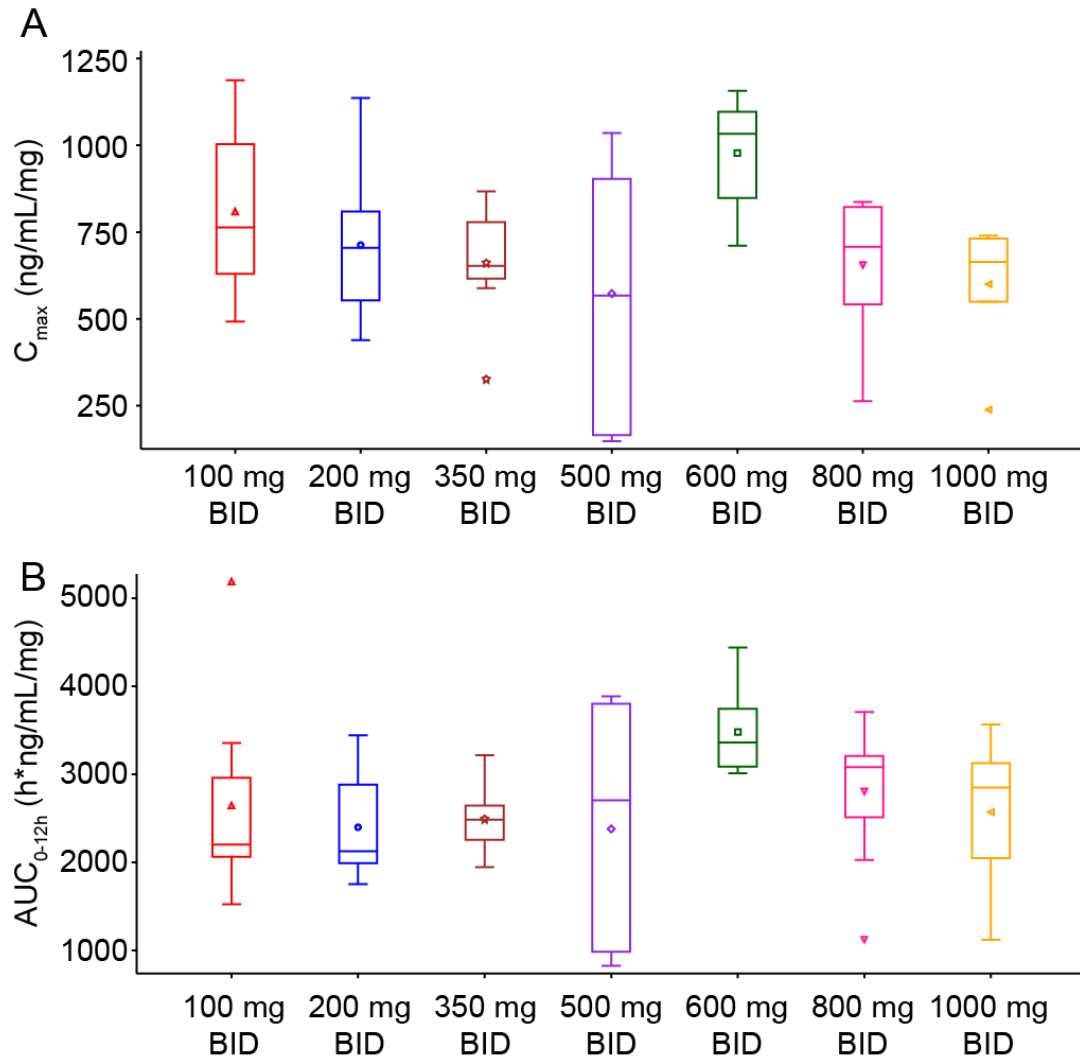


**Figure S1.** Dose-normalized PK parameters in different dose cohorts.

(A) Box-whisker plot of dose-normalized  $C_{\max}$  of SHR7280; (B) Box-whisker plot of dose-normalized  $AUC_{0-12}$  of SHR7280.



**Figure S2.** Nonlinear regression fitting of  $E_{\max}$  model demonstrated the correlations between PK and PD parameters.

(A) Correlation of LH  $AUC_{0-14d}$  with SHR7280 dose. (B) Correlation of LH  $AUC_{0-14d}$  with SHR7280  $AUC_{0-12h}$ . (C) Correlation of FSH  $AUC_{0-14d}$  with SHR7280 dose. (D) Correlation of FSH  $AUC_{0-14d}$  with SHR7280  $AUC_{0-12h}$ . (E) Correlation of T  $AUC_{0-14d}$  with SHR7280 dose. (F) Correlation of T  $AUC_{0-14d}$  with SHR7280  $AUC_{0-12h}$ .

