Supplementary Information

Inhibition of UDP-glucuronosyltransferases by common furoquinoline alkaloids

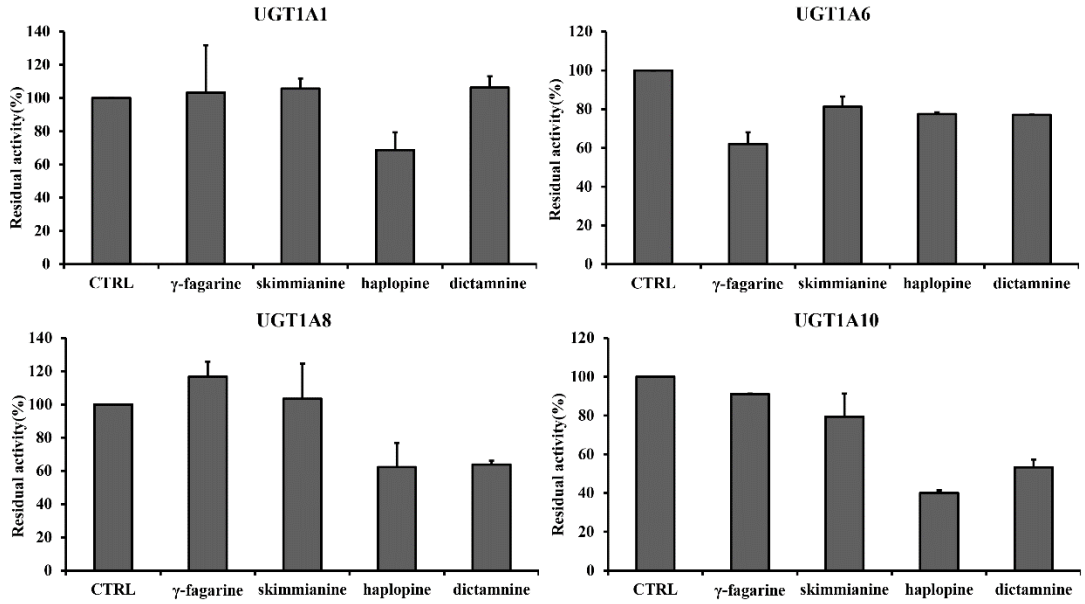

Figure S1: Inhibition screening of dictamnine, haplopine, γ-fagarine and skimmianine on the activity of UGT1A1, UGT1A6, UGT1A8 and UGT1A10. Data are presented as the mean value plus standard deviation (S.D., n=2). All residual activity values are at least >20%.

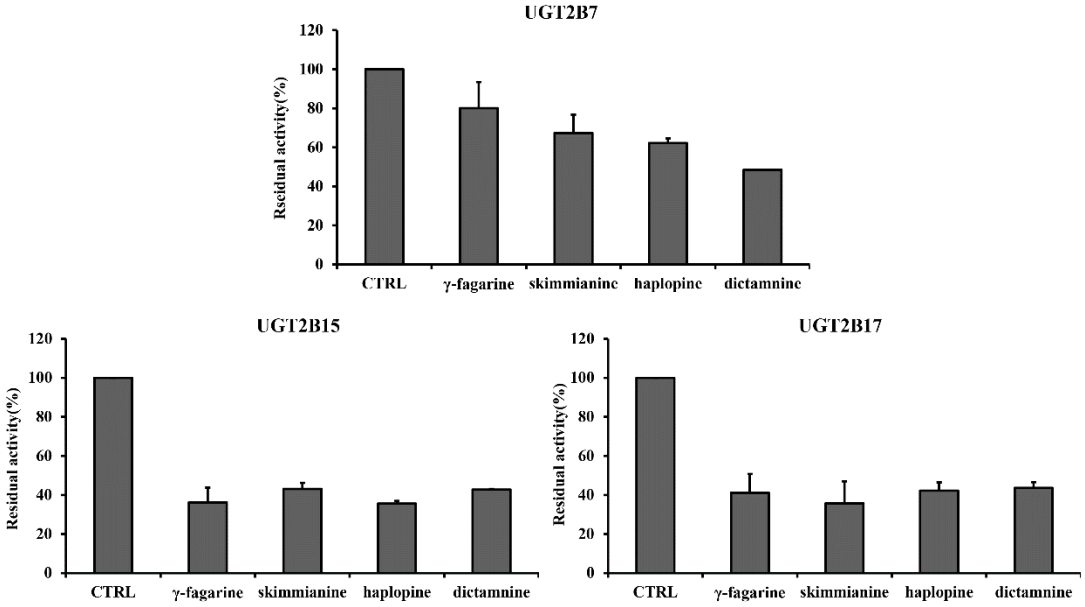

Figure S2: Inhibition screening of dictamnine, haplopine, γ-fagarine and skimmianine on the activity of UGT2B7, UGT2B15 and UGT2B17. Data are presented as the mean value plus standard deviation (S.D., n=2). All residual activity values are at least >20%.

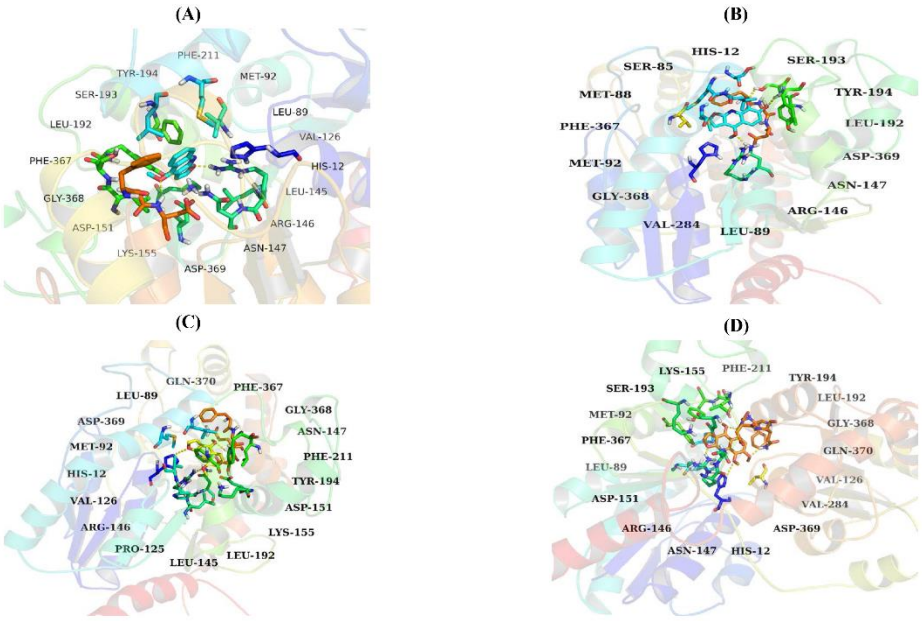

Figure S3: Description of docking status between the four furoquinoline alkaloids and activity of UGT1A3. The active site of UGT1A3 binding with (A) dictamnine, (B) haplopine, (C) γ-fagarine and (D) skimmianine, respectively.

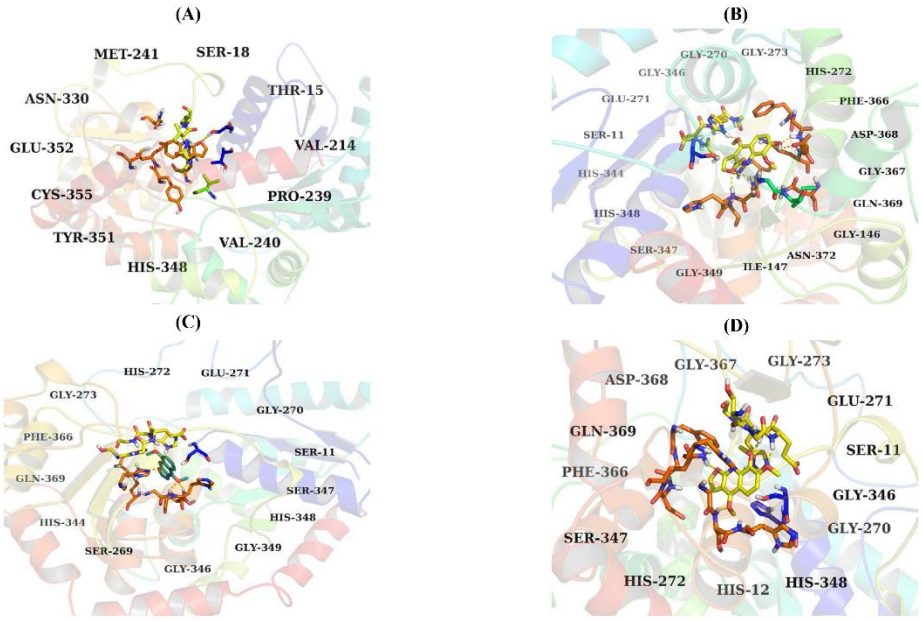

Figure S4: Description of docking status between the four furoquinoline alkaloids and activity of UGT1A7. The active sites of UGT1A7 binding with (A) dictamnine, (B) haplopine, (C) γ-fagarine and (D) skimmianine, respectively.

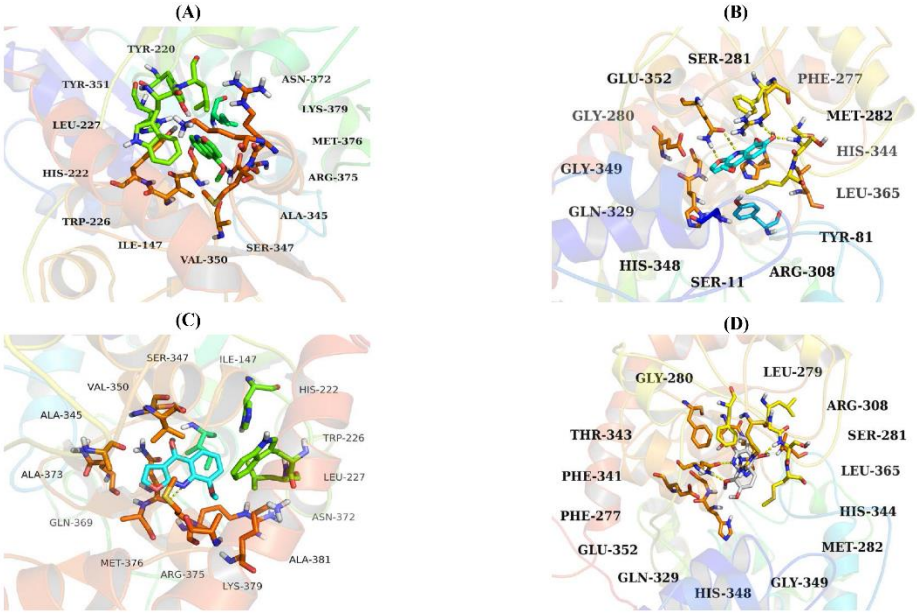

Figure S5: Description of docking status between the four furoquinoline alkaloids and activity of UGT1A9. The active sites of UGT1A9 binding with (A) dictamnine, (B) haplopine, (C) γ-fagarine and (D)skimmianine, respectively.