

Supplementary Material for

Establishment of a QuEChERS-UPLC-MS/MS method for

simultaneously detecting tolfeprad and its metabolites in tea

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Captions:

Figure S1 The response of TFP and its metabolites under different cone voltages

Figure S2 The response of parent and daughter ions of TFP and its metabolites under different collision energies

Figure S3 The response of TFP and its metabolites in different mobile phases (A+B)

Figure S4 The recoveries of TFP and its metabolites in different soaking solvents

Figure S5 The recoveries of TFP and its metabolites under different types and quantities of purification adsorbents

Figure S6 The samples after pretreatment (vial 1: green tea sample without purifying; vial 2: green tea sample with purifying by 50 mg C₁₈ + 50 mgMgSO₄; vial 3:green tea sample with purifying by 50 mg C₁₈ + 50 mgMgSO₄ + 20 mg GCB + 20 mg C_{NT}-OH;vial 4: green tea infusion sample without purifying.)

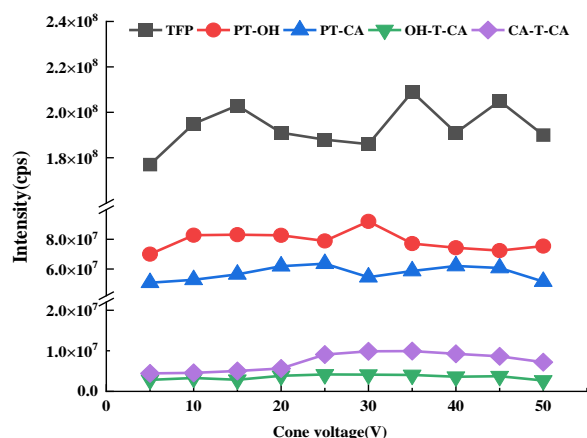


Figure S1 The intensity of TFP and its metabolites under different cone voltages

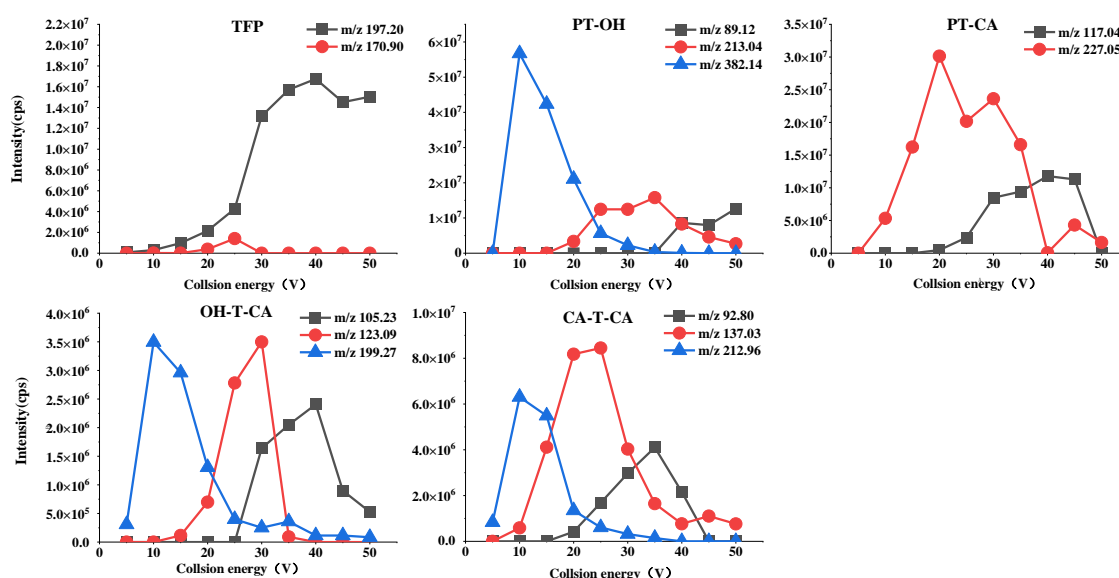


Figure S2 The intensity of parent and daughter ions of TFP and its metabolites under different collision energies

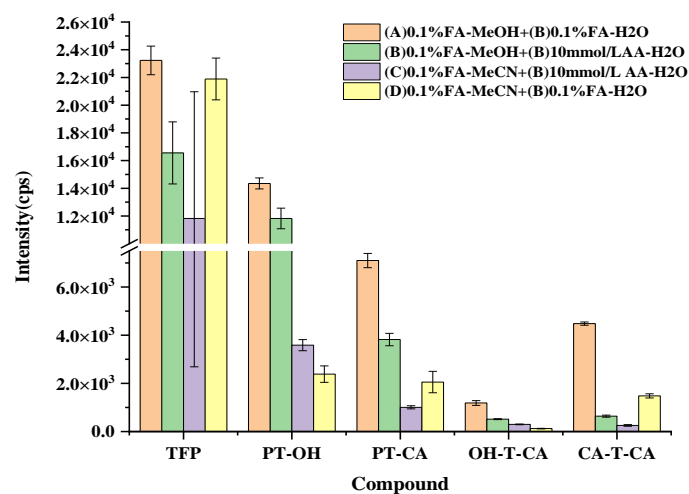


Figure S3 The intensity of TFP and its metabolites in different mobile phases (A+B)

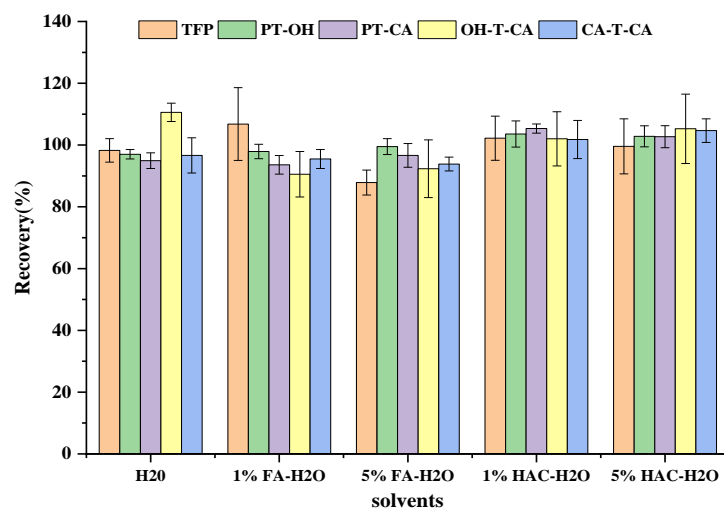


Figure S4 The recoveries of TFP and its metabolites in different soaking solvents

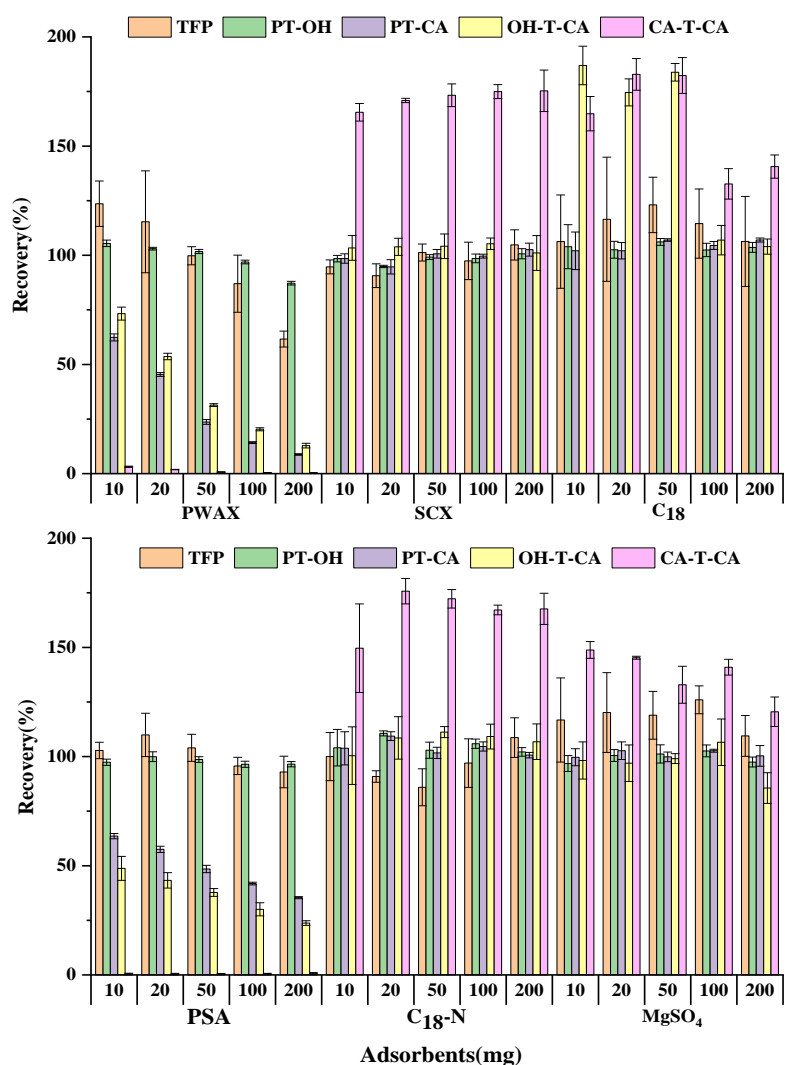


Figure S5 The recoveries of TFP and its metabolites under different types and quantities of purification adsorbents

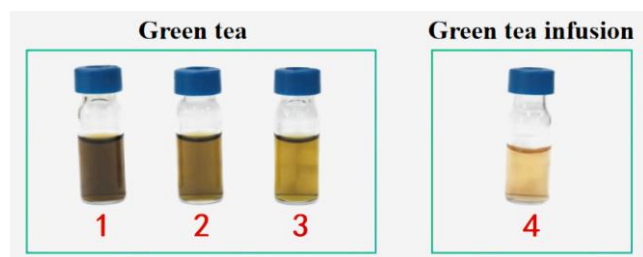


Figure S6 The samples after pretreatment (vial 1: green tea sample without purifying; vial 2: green tea sample with purifying by 50 mg C_{18} + 50 mg $MgSO_4$; vial 3: green tea sample with purifying by 50 mg C_{18} + 50 mg $MgSO_4$ + 20 mg GCB + 20 mg C_{NT-OH} ; vial 4: green tea infusion sample without purifying.)