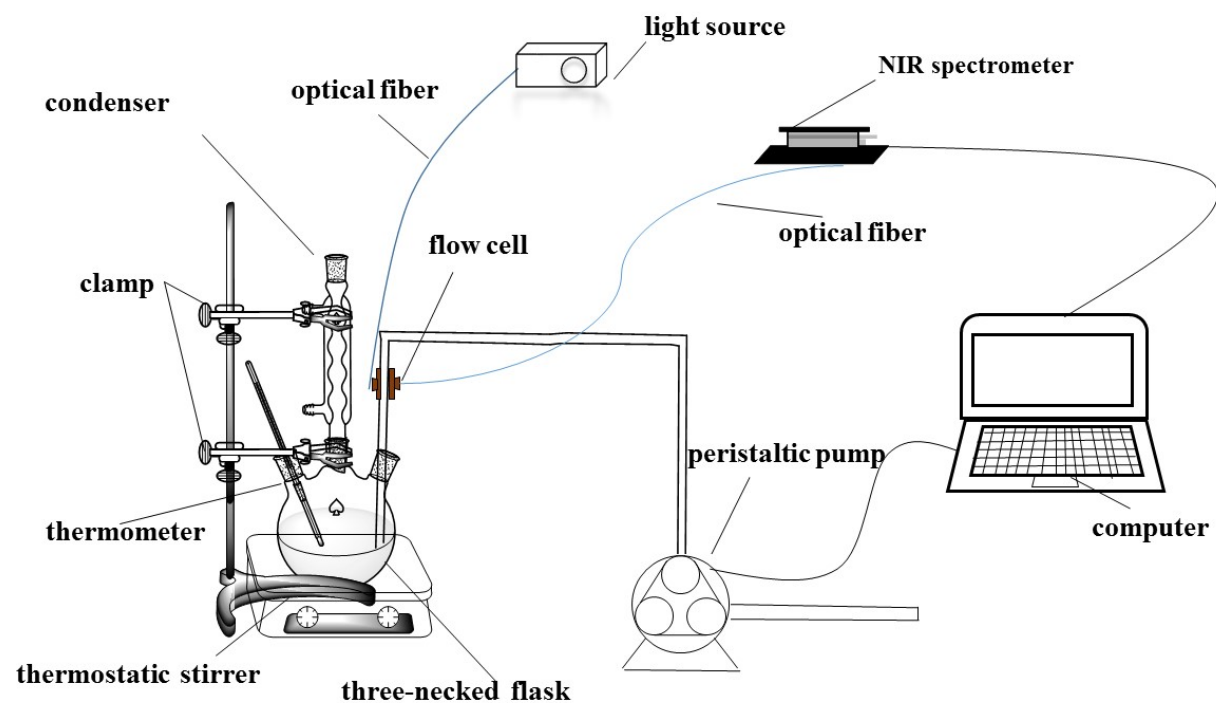Supplementary materials

Fig. S1 Schemes of the experimental setups for aspirin synthesis and spectral measurement

Fig. S2 Schemes of the experimental setups for spectral collection during purification process in DCAP production

Fig. S3 Scattering plots of predicted concentration vs real concentration of Aspirin dataset with wavelength selection method of (A) CARS, (B) fiPLS and (C) MC-UVE

Fig. S4 Scattering plots of predicted concentration vs real concentration of DCAP dataset with wavelength selection method of (A) CARS, (B) fiPLS and (C) MC-UVE