

Fig. 1. XRD spectra of  $\alpha$ -CL-20,  $\beta$ -CL-20,  $\epsilon$ -CL-20,  $\gamma$ -CL-20, and raw CL-20



**Fig. 2.** Comparison of the PXRD patterns of (a) pure CL-20, (b) TNT, and (c) CL-20/TNT micro co-crystal together with (d) the calculation peaks of CL-20/TNT co-crystal, respectively.



**Fig. 3.** SEM images of (a) pure CL-20, (b) pure TNT and (c) micro spherical CL-20/TNT co-crystal, and typical magnification image (d) and (e) in terms of (c), respectively, (f) size distribution of micro co-crystal, respectively.