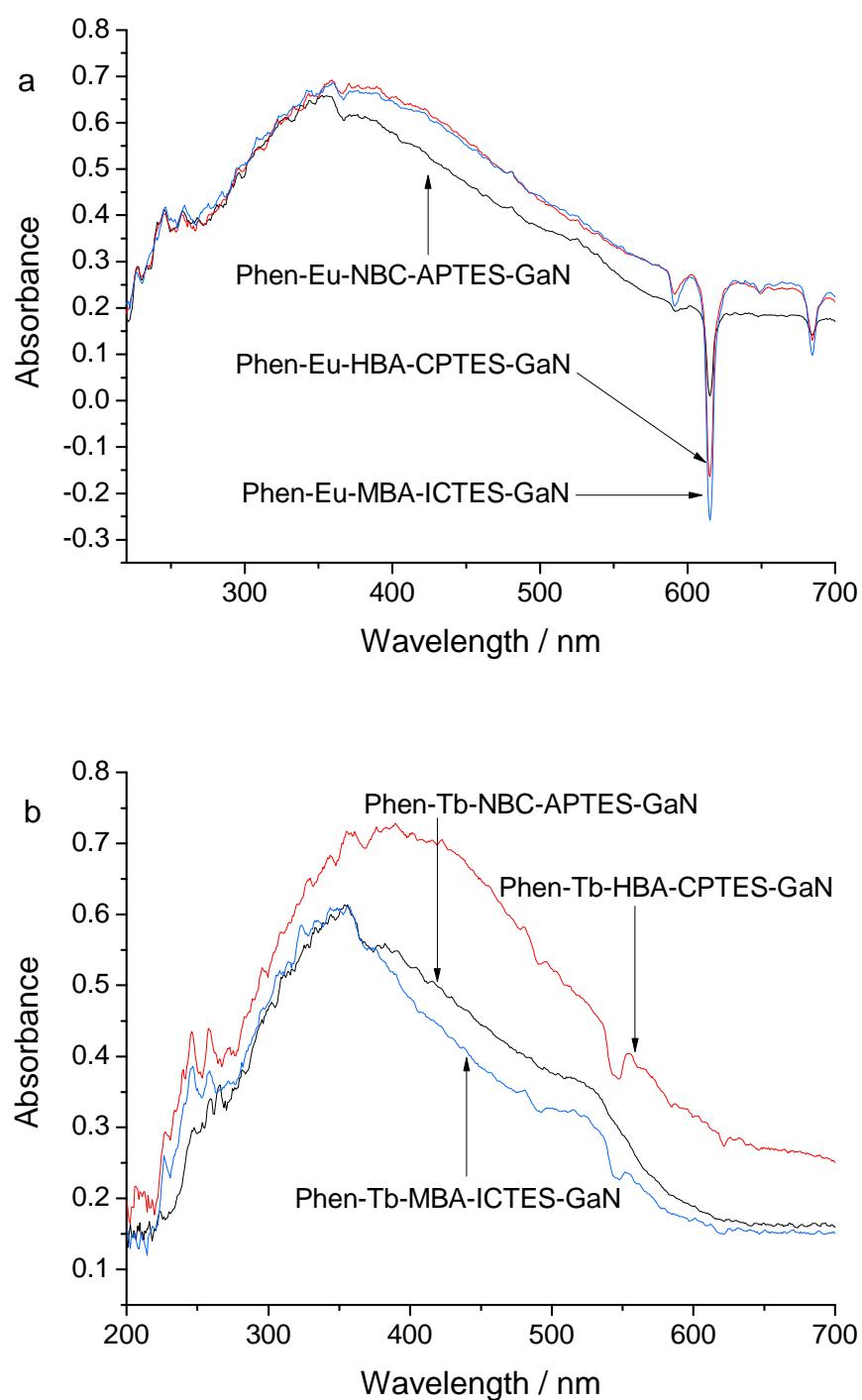
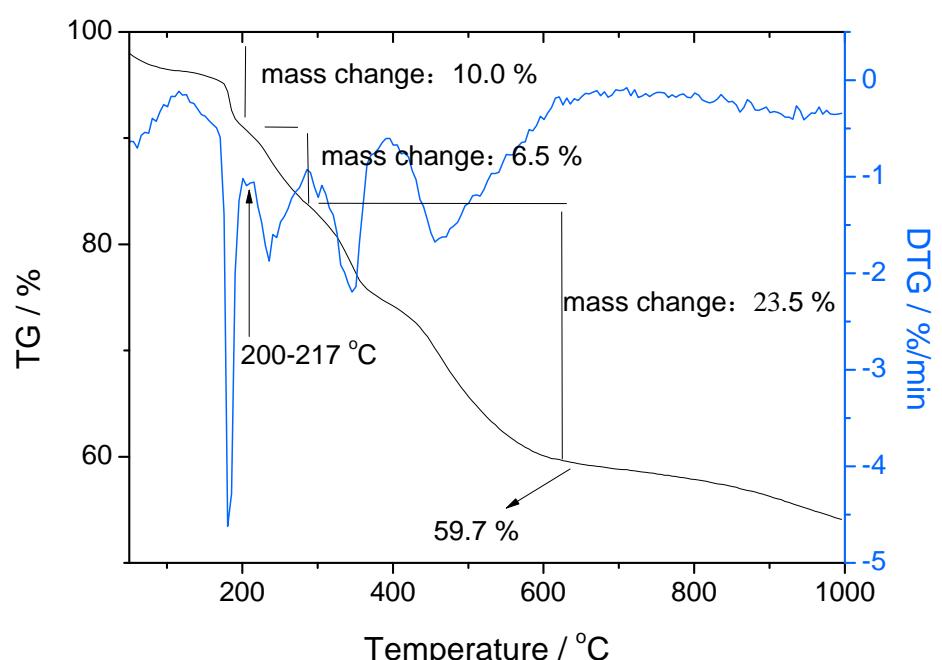


**Figure S1** FTIR spectra for the hybrid materials: europium (a) and terbium (b) hybrids



**Figure S2** Ultraviolet-visible diffuse reflection absorption spectra for the hybrid materials: europium (a) and terbium (b) hybrids



**Figure S3** Thermogravimetry trace (TG) and differential thermogravimetry (DTG) of the hybrid material Phen-Tb-MBA-ICTES-GaN