

## Electronic Supplementary Information (ESI)

# Drug Eluting Contact Lens Containing Cyclosporine Loaded Cholesterol-Hyaluronate Micelle for Dry Eye Syndrome

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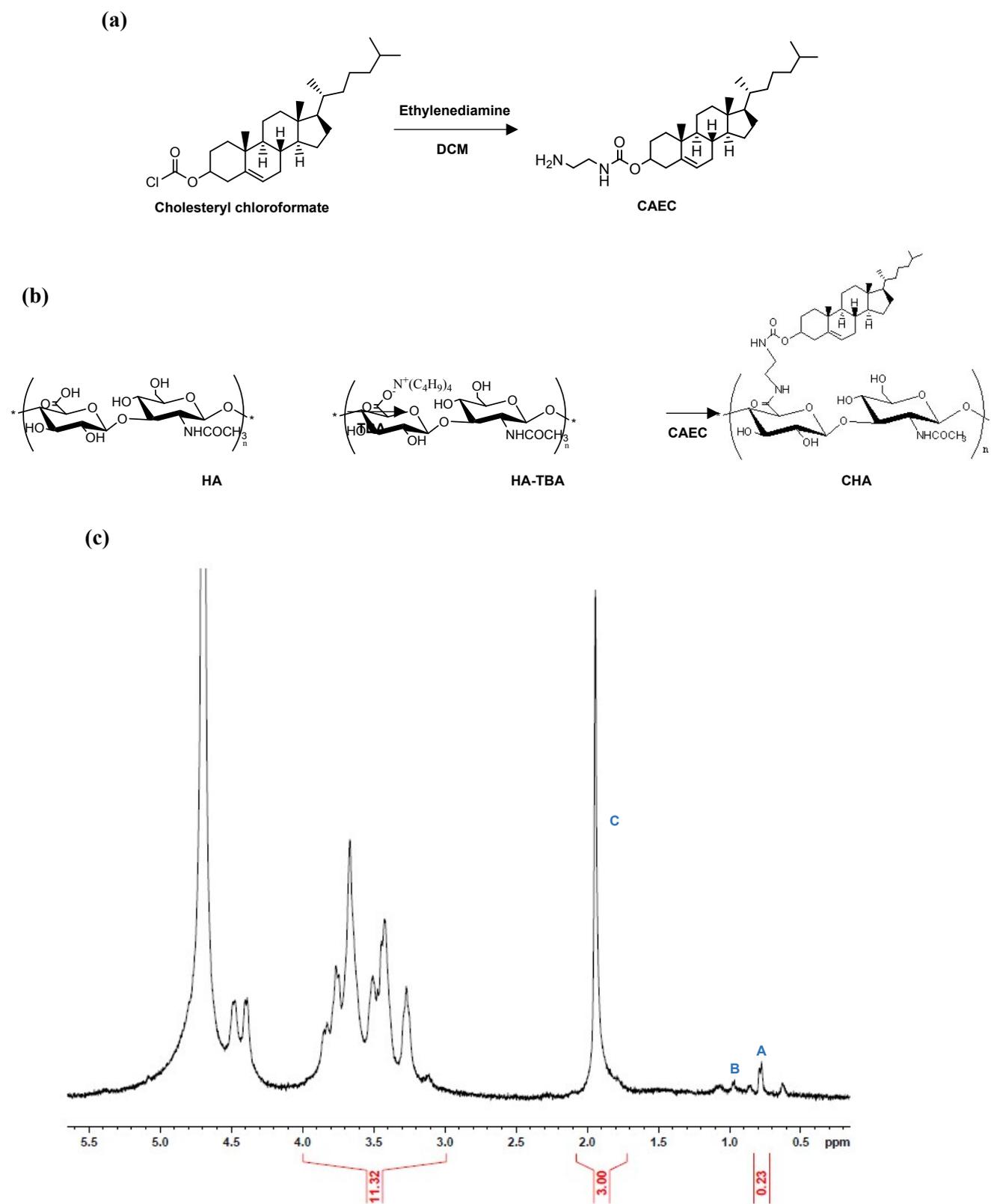
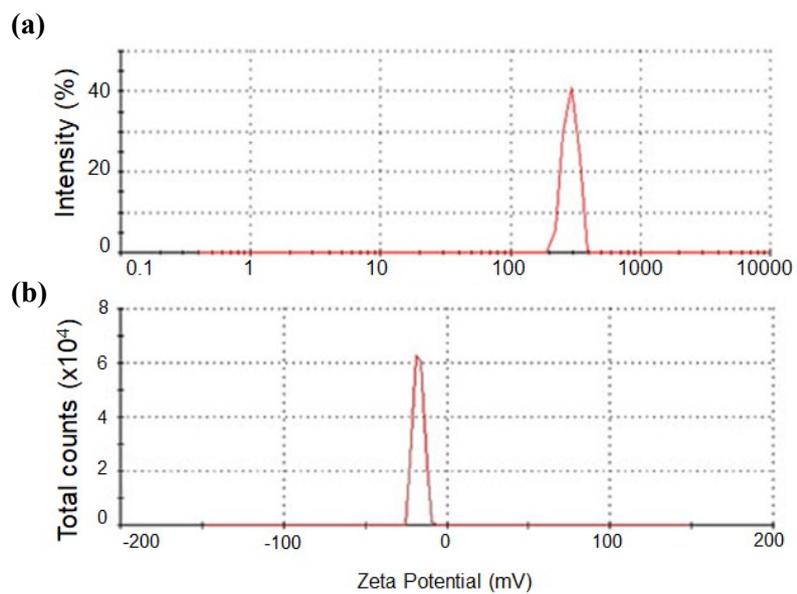
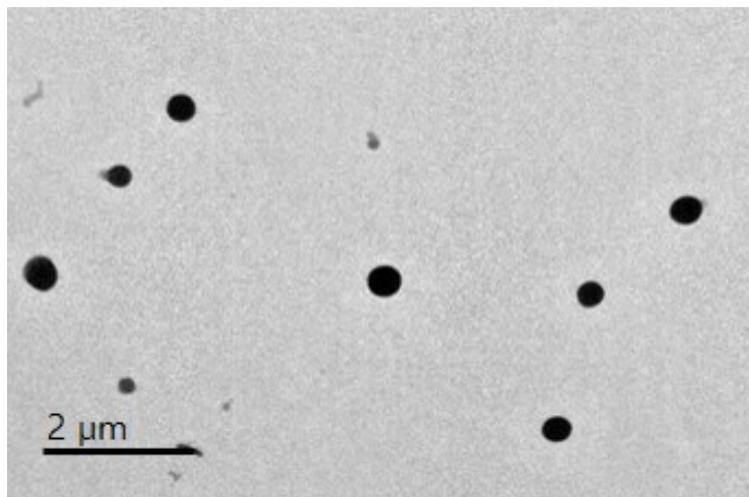


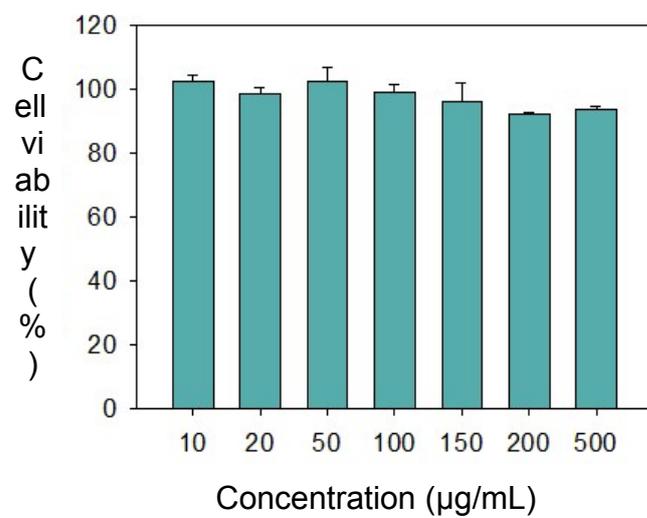
Figure S1. Synthetic scheme for (a) CAEC and (b) C-HA. (c)  $^1\text{H}$  NMR data for C-HA.



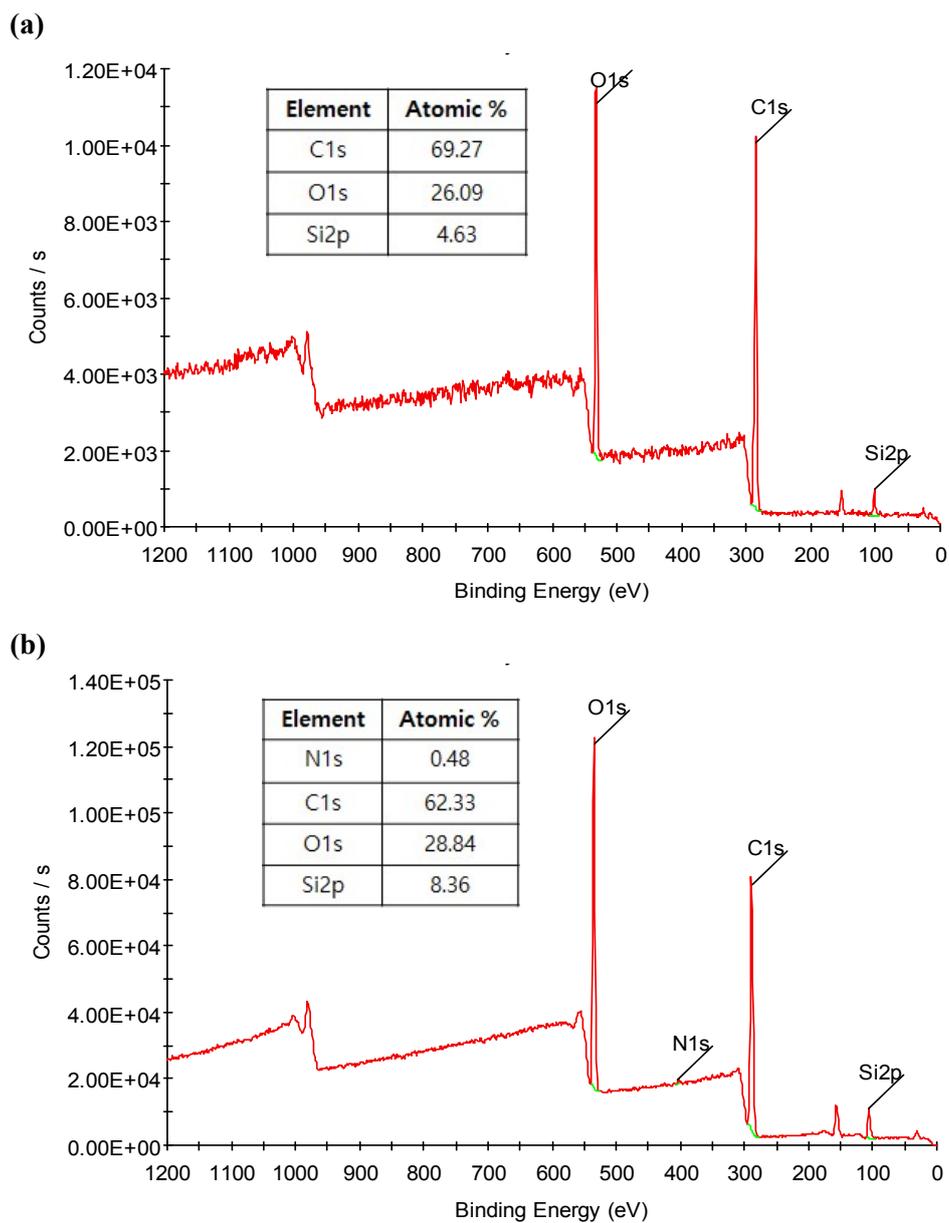
**Figure S2.** (a) Particle size and (b) zeta potential analyses of cyclosporine loaded C-HA micelle by dynamic light scattering.



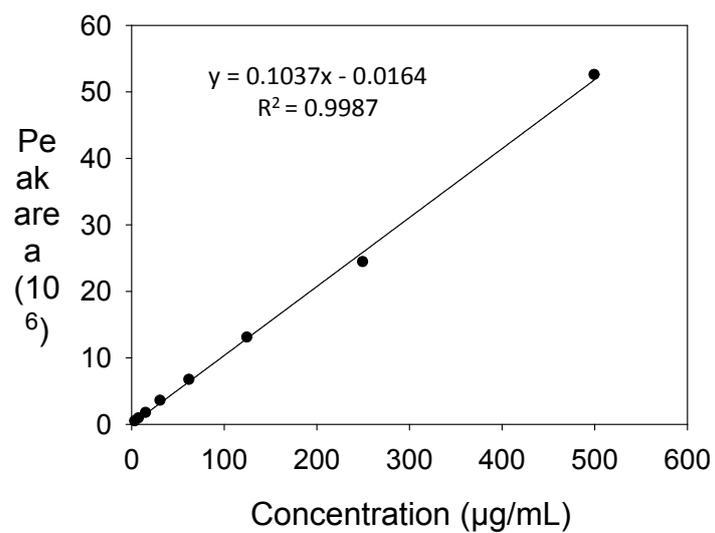
**Figure S3.** TEM image of cyclosporine loaded C-HA micelles.



**Figure S4.** The cytotoxicity of C-HA micelles with increasing concentrations from 10 to 500 µg/mL in human cornea epithelial cells (n = 5).



**Figure S5.** XPS analysis of (a) the normal contact lens and (b) the micelle contact lens.



**Figure S6.** The calibration curve of cyclosporine at 215 nm by HPLC.