Electronic Supplementary Material (ESI) for Polymer Chemistry.

Supporting Information

Effective in-situ repair and bacteriostatic material of tooth enamel based on salivary acquired pellicle inspired oligomeric procyanidins

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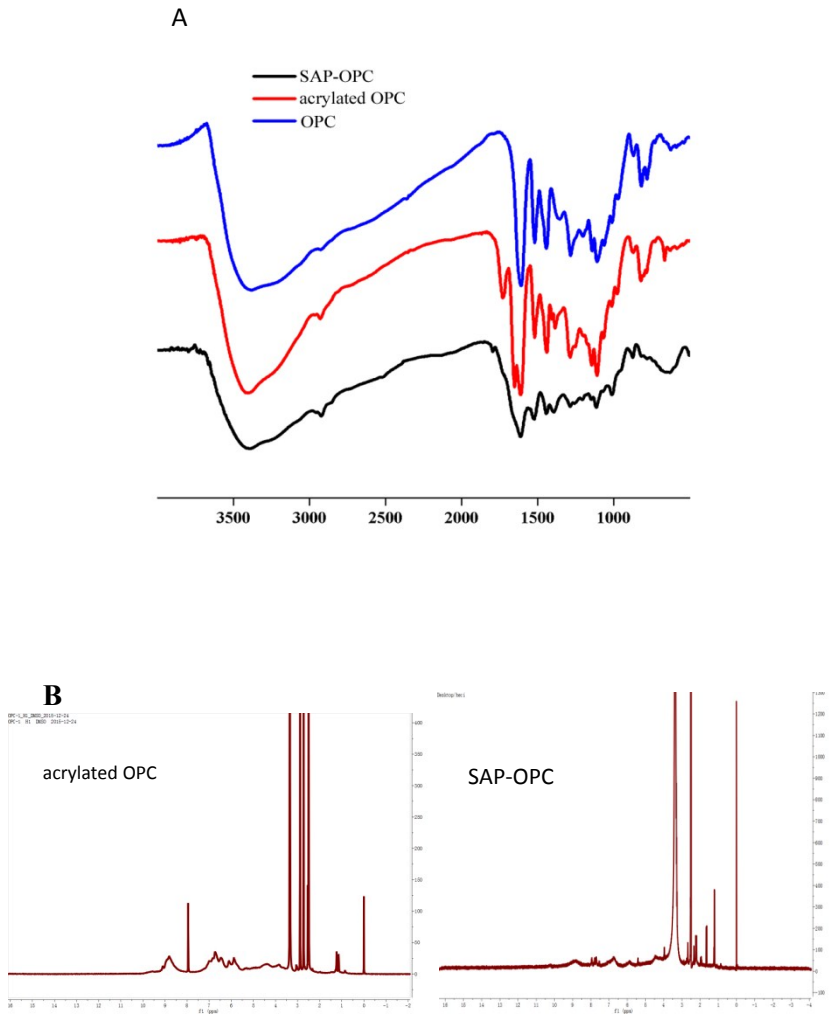

Figure S1. (A) FTIR data of OPC, acrylated OPC and SAP-OPC; (B) ^{1}H NMR date of acrylated OPC and SAP-OPC.

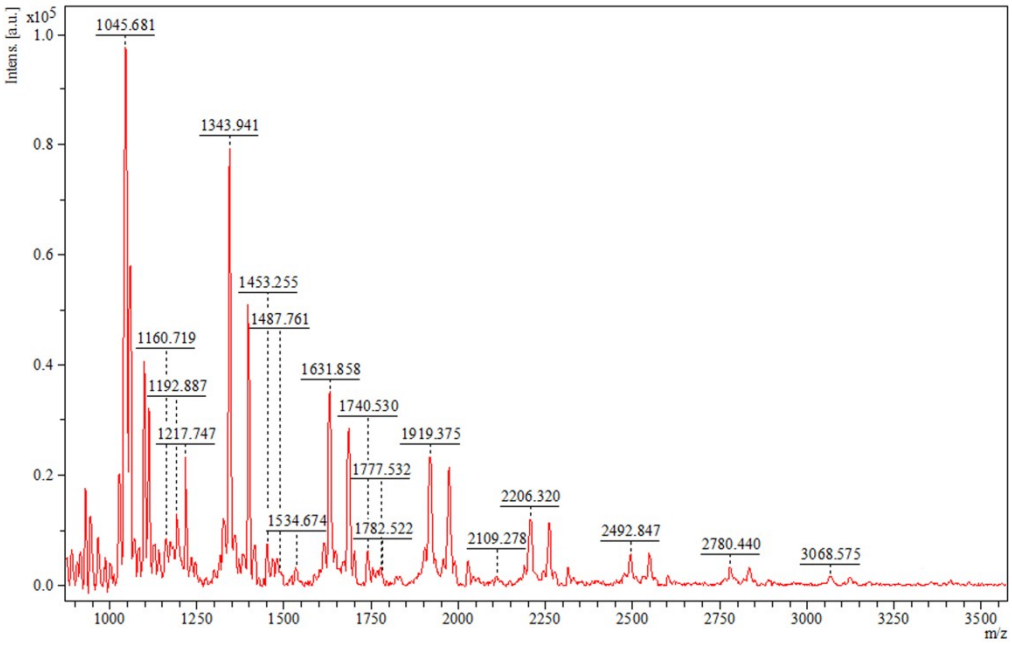

Figure S2. MALDI-TOF-MS date of SAP-OPC.

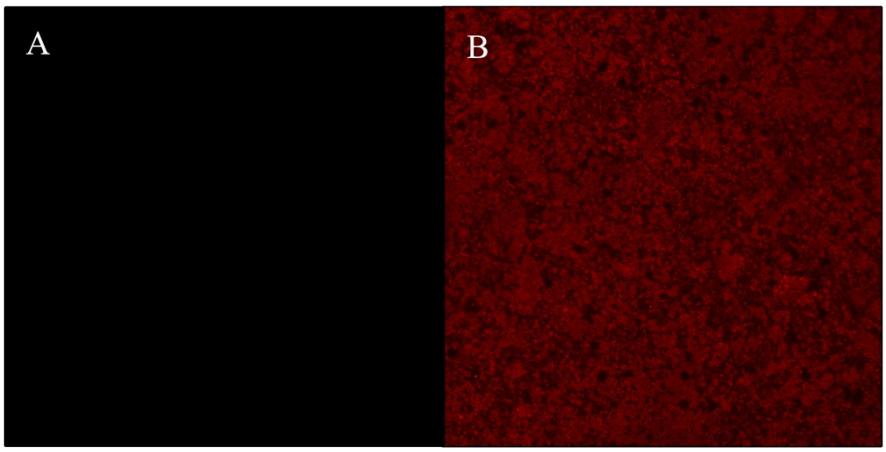

Figure S3. CLSM images of bare HA slice surface (A), and RB-labeled SAP-OPC treated HA slice surface (B).

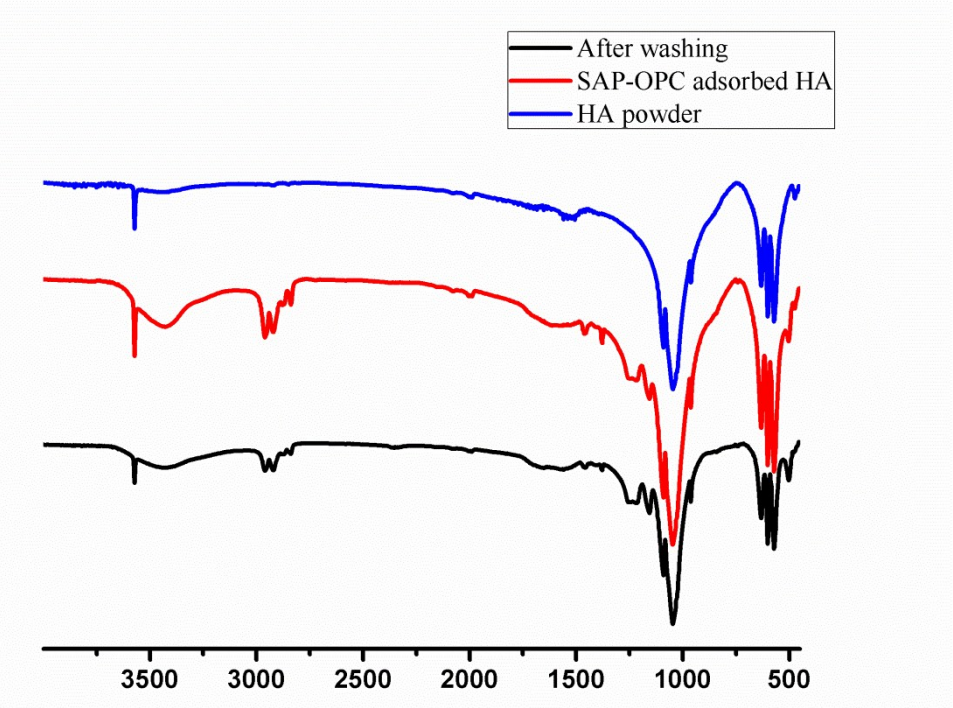

Figure S4. FTIR spectra of HA powder, SAP-OPC adsorbed HA, and the one after washing by deionized water.

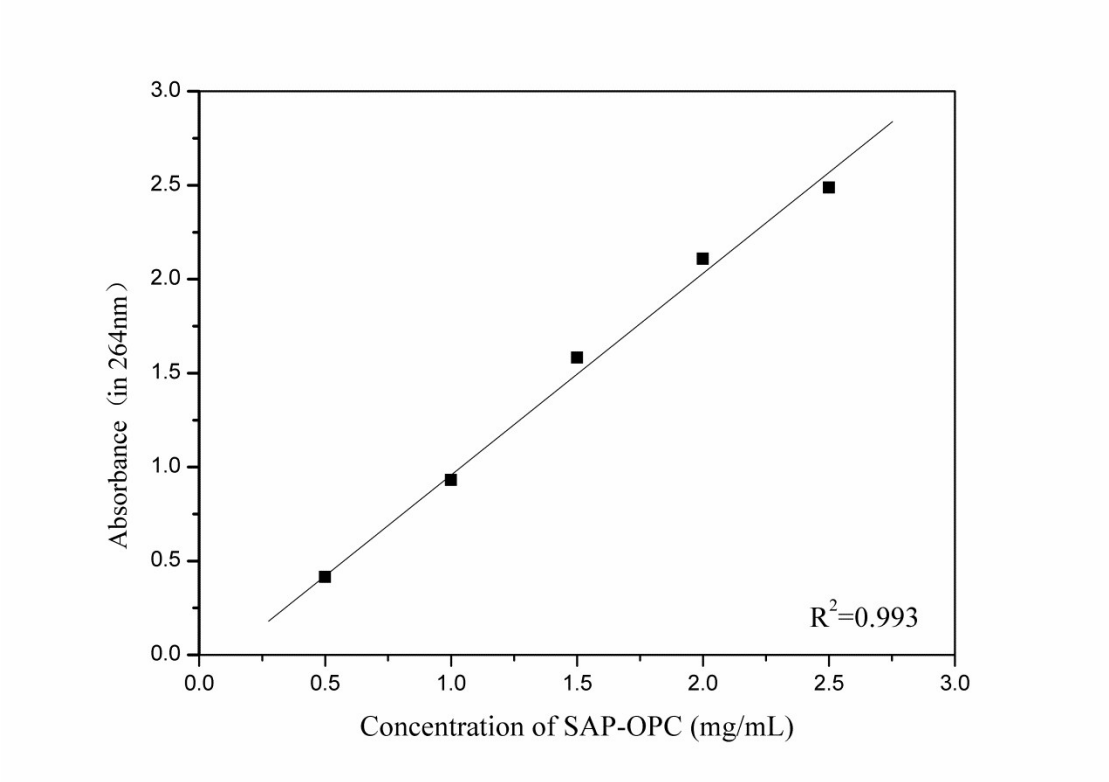

Figure S5. The standard absorbance-concentration curve of SAP-OPC by UV spectrum.

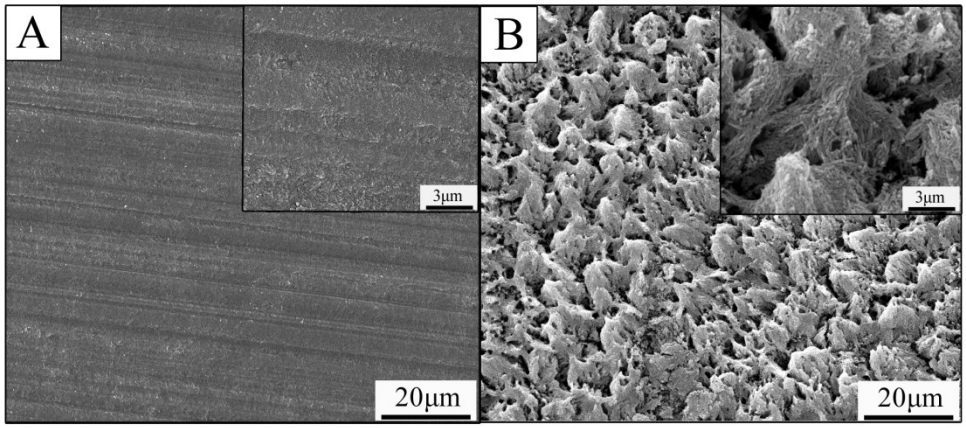

Figure S6. SEM images of the surfaces of normal tooth enamel (A) and acid-etched tooth enamel (B).

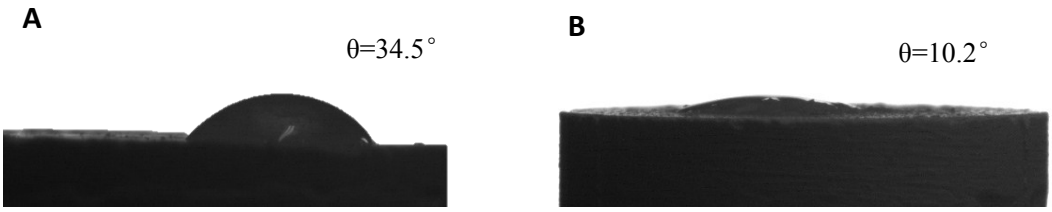

Figure S7. The water contact angle of bare (A) and SAP-OPC coated HA slices (B).