## UV-Curable Hyperbranched Poly(ester-co-vinyl) by Radical Ring-opening Copolymerization for Antifouling Coatings

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**Scheme S1.** Schematic diagram of the synthetic pathway of 2ethoxythiocarbonylsulfanyl-propionic acid ethyl ester (EXEP).



**Scheme S2.** Schematic diagram of the synthetic pathway of hyperbranched copolymer with divinyl adipate as branching point (HPM0D).



Figure S1. <sup>1</sup>H NMR spectra of EXEP.



**Figure S2.** Variation of monomer conversion during MDO-DEGDVE copolymerization, where the molar feed is 50/50.



Figure S3. Adhesion strength of the HPMxE coatings to epoxy panel.



**Figure S4.** ATR-IR spectra of the HPM*x*E coatings after hydrolysis in ASW for 14 days.



Figure S5. Water contact angle of the HPM0D and HPMxE coatings.