Supplementary Materials: Synthesis and Characterization of Highly Stabilized Polymer–Trypsin Conjugates with Autolysis Resistance

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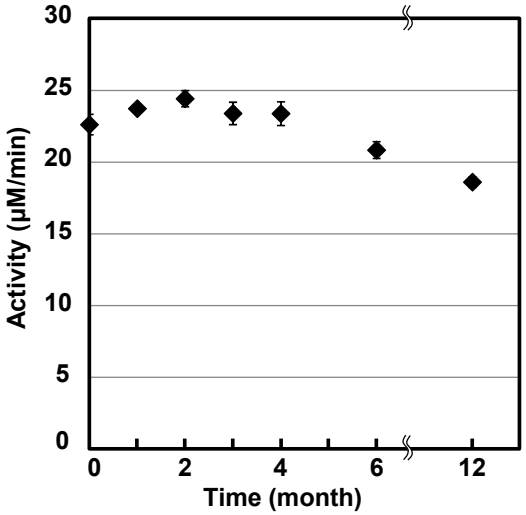

Figure S1. Progressive changes in enzymatic activity of vinylmethylether-maleic acid copolymer-modified trypsin (VEMAC-Tryp) in phosphate buffer (PB, 50 mM, pH 8.0) at 25 °C. Data are shown as *mean* ± *SD* (*n* = 3).

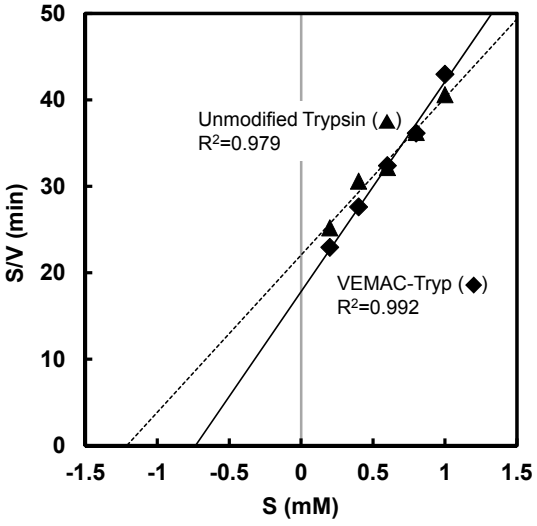

Figure S2. Hanes–Woolf plots for the evaluation of the enzymatic activity of VEMAC-Tryp and unmodified trypsin. S: substrate concentration (mM), V: reaction velocity (mM/min).

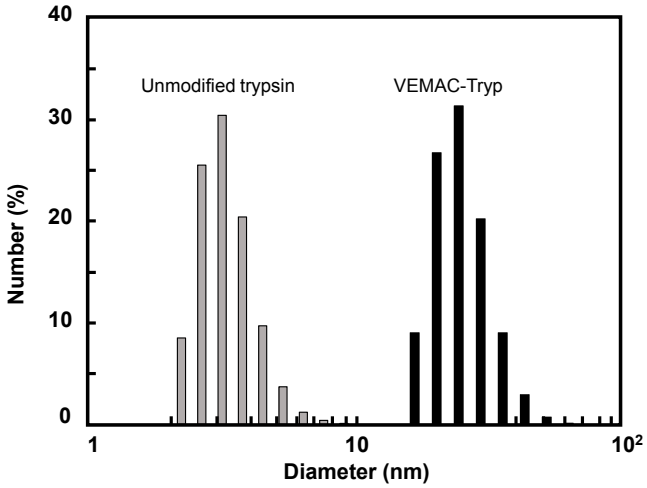

Figure S3. Particle size distribution of unmodified trypsin and VEMAC-Tryp.

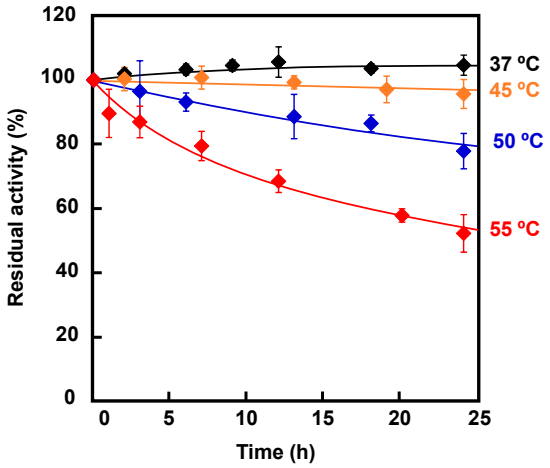

Figure S4. Evolution of residual activity (%) of VEMAC-Tryp upon incubation in PB (50 mM, pH 8.0) at different temperatures. Data are shown as *mean* ± *SD* (n = 3).

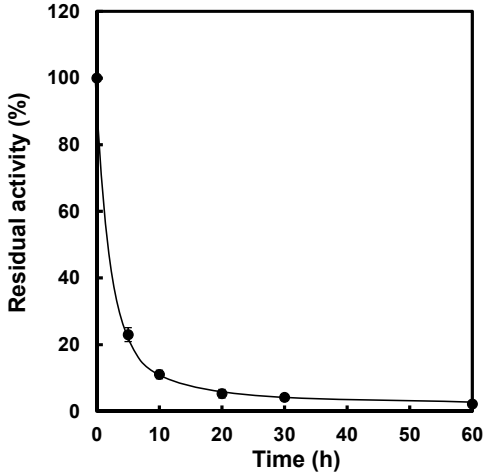

Figure S5. Evolution of residual activity (%) of unmodified trypsin upon incubation in PB (50 mM, pH 8.0) at 55 °C. Data are shown as *mean* ± *SD* (n = 3).