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Supporting Information

Synthesis of Four- and Six-Armed Star-Shaped Polycarbonates by Immortal

Alternating Copolymerization of CO₂ and Propylene Oxide.

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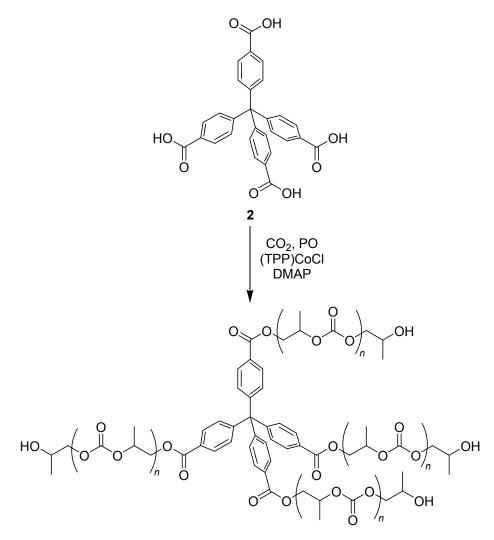
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Scheme S1. Synthesis of four-armed star PPC initiated from 2.



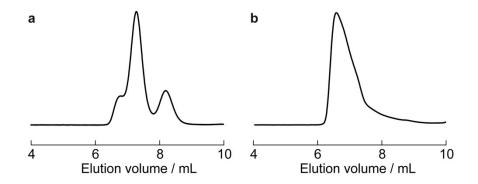


Figure S1. GPC chromatograms of the copolymerized product initiated from **2** (Table 1, entry 3) analyzed using RI (a) and UV (b) detectors.

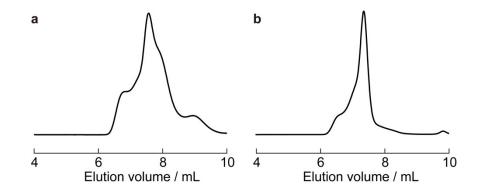


Figure S2. GPC chromatograms of the copolymerized product initiated from 3 (Table 1, entry 4) analyzed using RI (a) and UV (b) detectors.

Scheme S2. CO₂–PO alternating copolymerization initiated from trimesic acid.

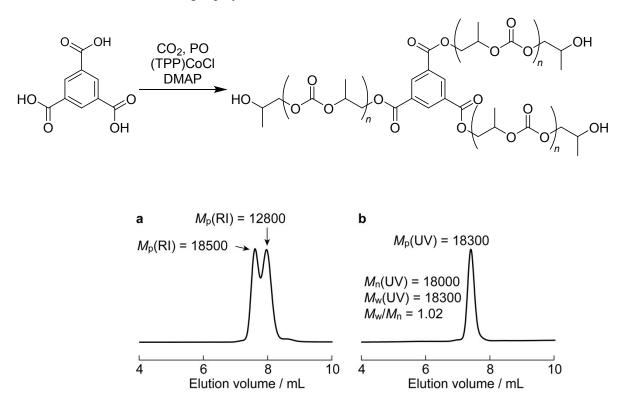


Figure S3. GPC chromatograms of the copolymerized product initiated from trimesic acid analyzed using RI (a) and UV (b) detectors.