

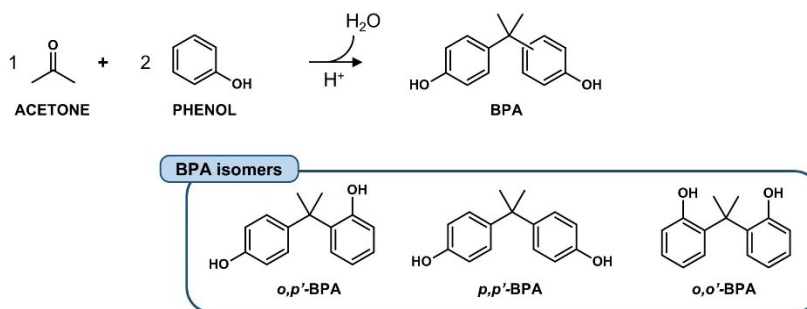
Electronic Supplementary Information (ESI).

**A guide towards safe, functional and renewable BPA alternatives by rational molecular design:  
structure-property and structure-toxicity relationships.**

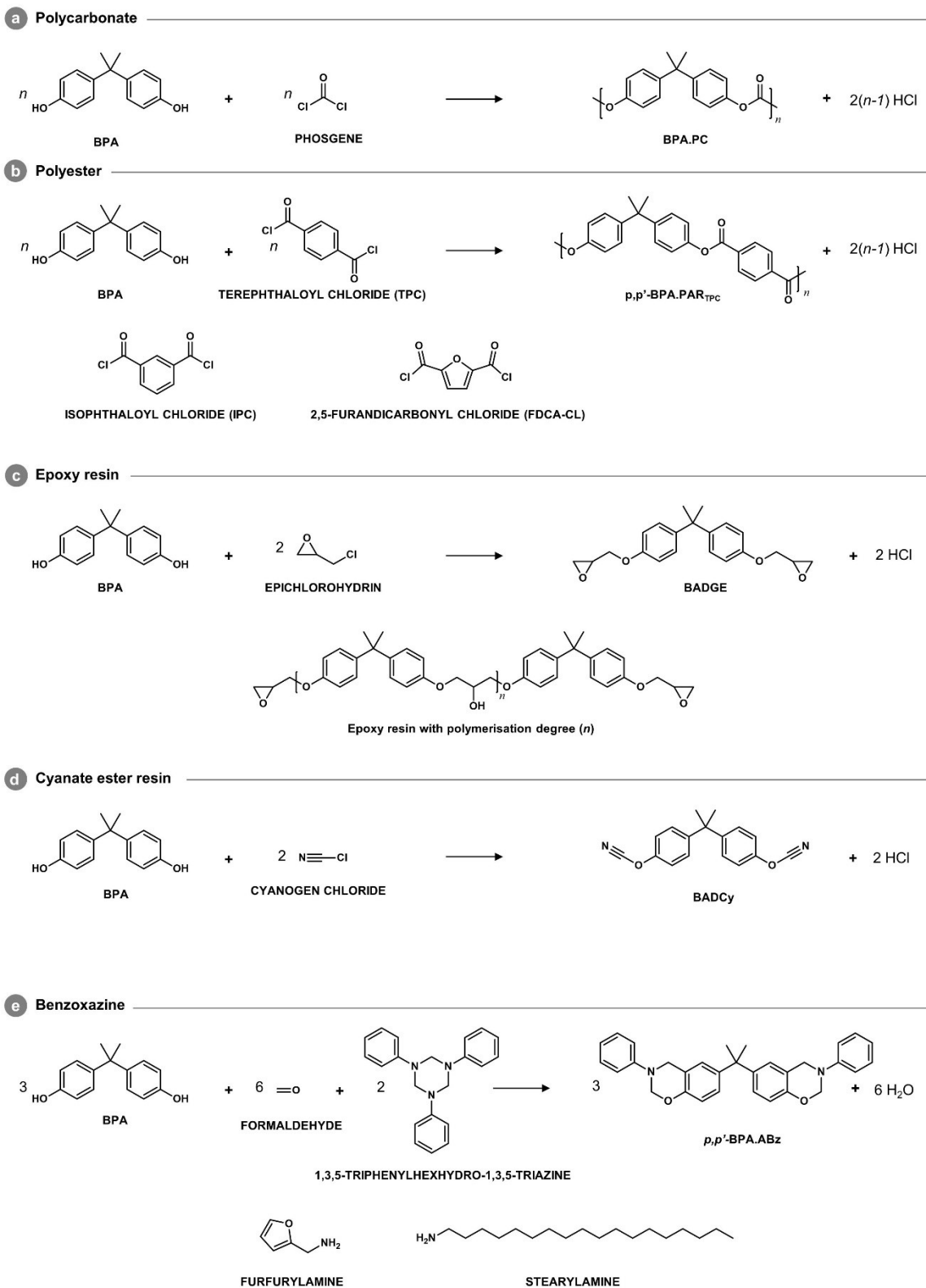
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**Fig. S1 | General representation of the bisphenol A (BPA) synthesis.** Including the molecular structure of the substrates and BPA isomer products: *o,p'*-BPA, *p,p'*-BPA and *o,o'*-BPA.



**Fig. S2 | General representation of the polymer and resin synthesis.** Including the molecular structure of the substrates and BPA-based products: a) polycarbonate, b) polyester, c) epoxy resin, d) cyanate ester resins and e) benzoxazine. The latter is adapted from ref: H. Yan, C. Sun, Z. Fang, X. Liu, J. Zhu and H. Wang, *Polymer*, 2016, **97**, 418–427.