Synthesis of a highly efficient phosphorous-containing flame retardant utilizing plant-derived diphenolic acids and its application in polylactic acid

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Fig. S1 $^1$H NMR spectrum of PEPA

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Fig. S2 $^{13}$C NMR spectrum of PEPA

Fig. S3 $^{31}$P NMR spectrum of DPM
Fig. S4 $^{13}$C NMR spectrum of BPPT