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Supplementary Materials

Bactericidal biodegradable linear polyamidoamines obtained with the use of endogenous polyamines

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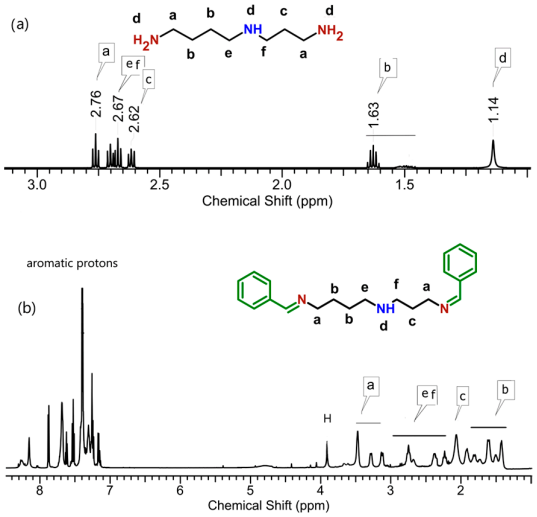

Figure S1. ^{1}H NMR (in $CDCl_3$) spectrum of spermidine (a) before protecting and (b) after deprotecting the primary amino groups.

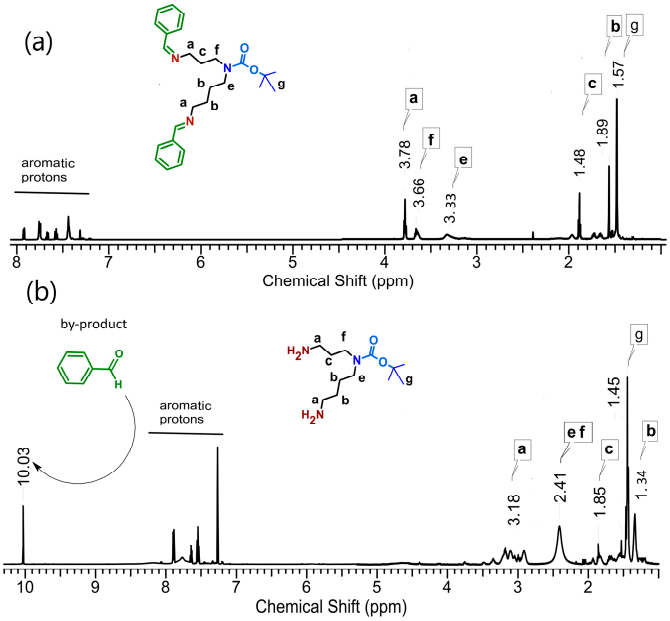

Figure S2. ^{1}H NMR (in $CDCl_3$) spectrum of a spermidine derivative with protected amino groups; (a) with protected primary and secondary amino groups, (b) after deprotecting primary amino groups (before cleaning).

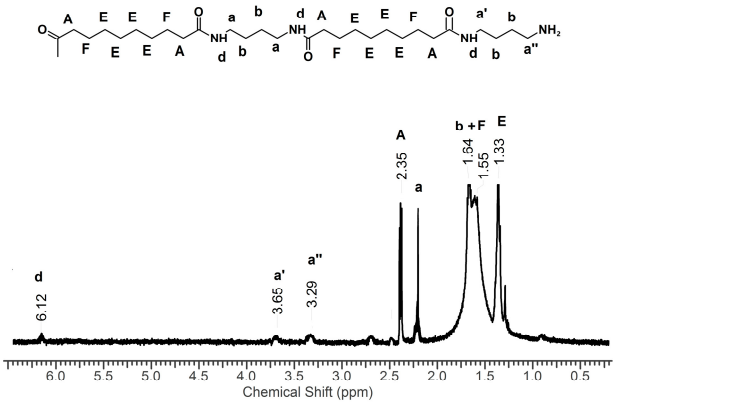

Figure S3. ^{1}H NMR (in $CDCl_3$) spectrum of polyamide obtained with putrescine.

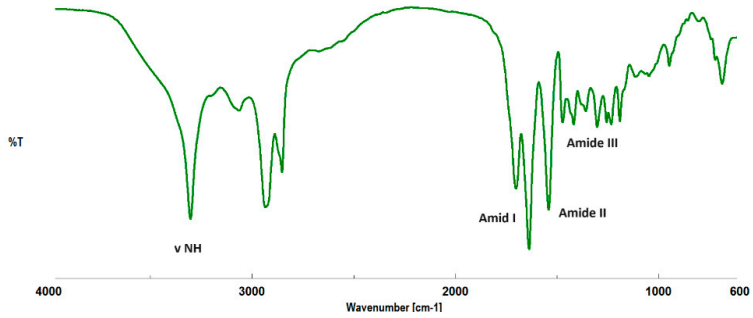

Figure S4. FTIR spectrum of polyamide obtained with putrescine.

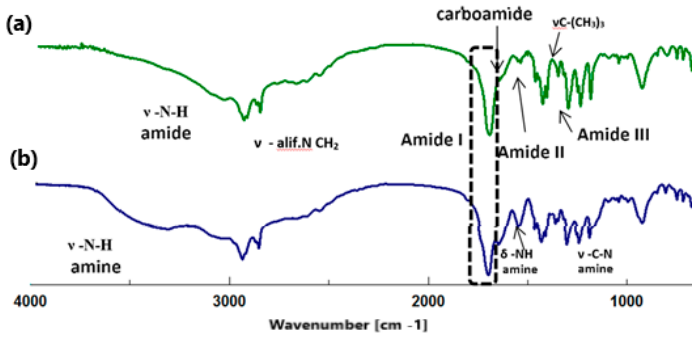

Figure S5. FTIR spectrum of polyamidoamine obtained with norspermidine: a) before deprotection and b) after deprotection of the secondary amino groups;

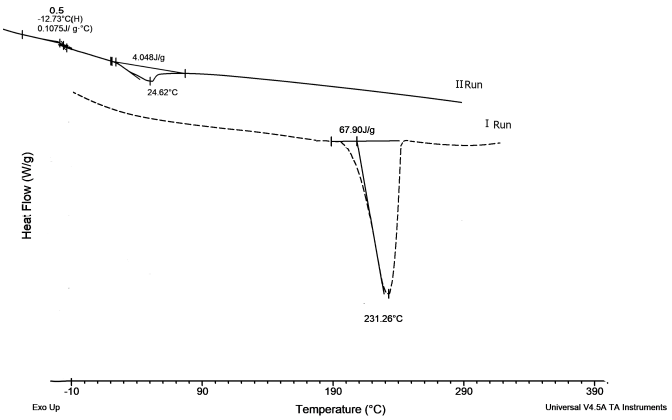

Figure S6. DSC thermograms (I and II run) of polyamide obtained with putrescine

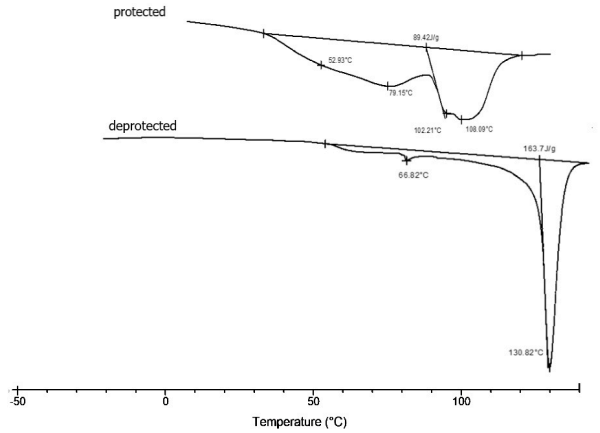

Figure S7. DSC thermograms of the run I, a polyamidoamine obtained using norspermidine with protected and deprotected amino groups.

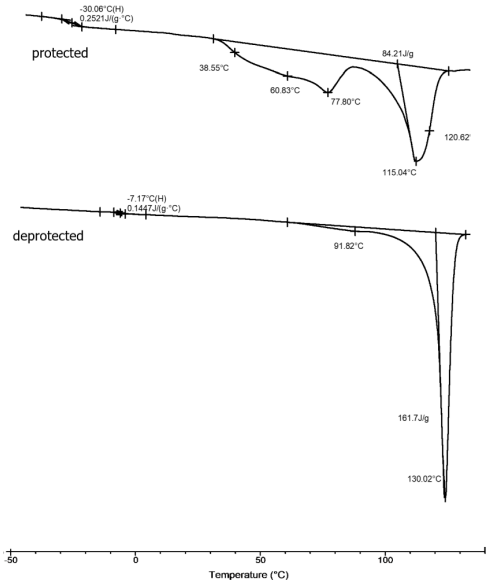

Figure S8. DSC thermograms of run I, a polyamidoamine obtained using spermidine with protected and deprotected amino groups.

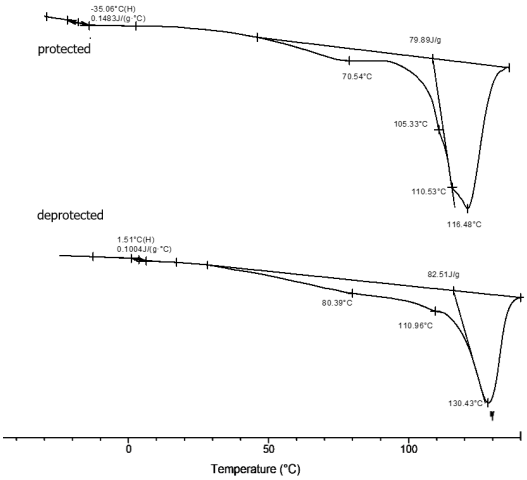

Figure S9. DSC thermograms of run I, a polyamidoamin obtained using spermine with protected and deprotected amino groups.

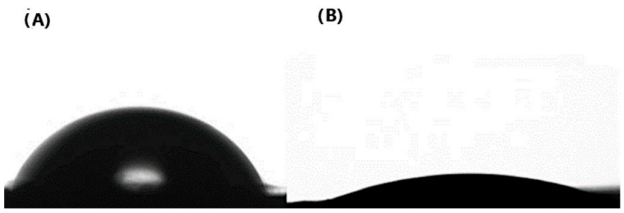

Figure S10. Measurement of the contact angle of the surface of a film cast from polyamidoamine obtained with norspermidine (A) with protected amino groups, (B) after deprotection of amino groups.

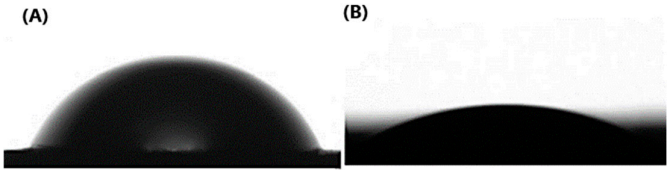

Figure S11. Measurement of the contact angle of the surface of a film cast from polyamidoamine obtained with spermidine (A) with protected amino groups, (B) after deprotection of amino groups.

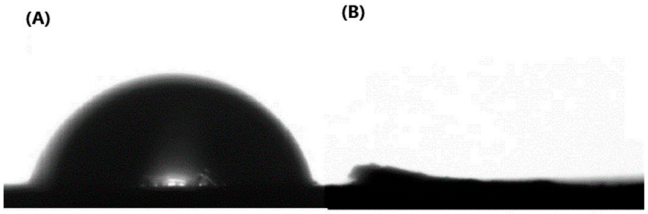

Figure S12. Measurement of the contact angle of the surface of a film cast from polyamidoamine obtained with spermine (A) with protected amino groups, (B) after deprotection of amino groups.