

SUPPLEMENTARY INFORMATION

Inhibition of type 1 fimbriae-mediated *Escherichia coli* adhesion and biofilm formation by trimeric cluster thiomannosides conjugated to diamond nanoparticles

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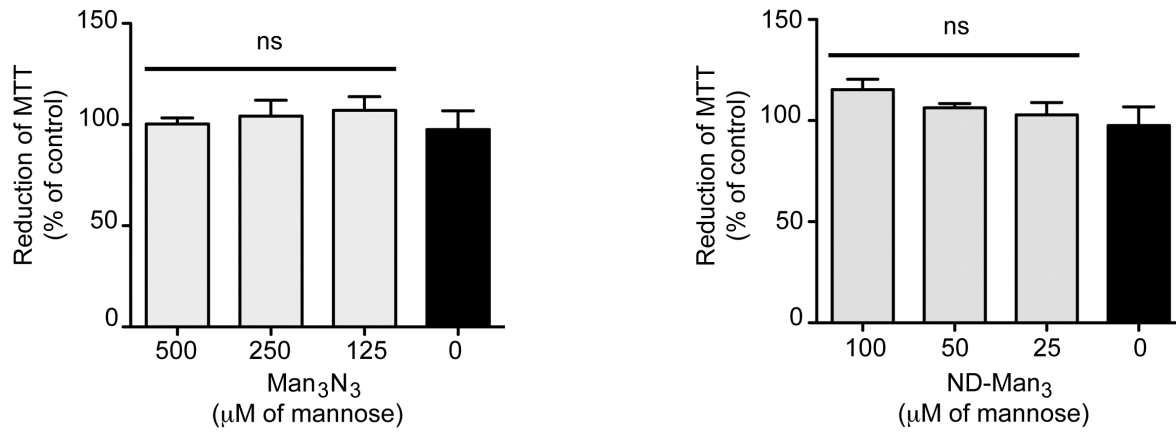


Figure S1 : Toxicity of ND-Man₃ and Man₃N₃ on T24 bladder epithelial cells. T24 cells were incubated with increasing concentration of the different anti-adhesive compounds for 24 H. None of the compounds tested affected the T24 proliferation measured as the diminution of MTT. The graph are represented in percentage of the control cells that were incubated only with growth medium. Statistical differences were evaluated using one-way ANOVA included in Graphpad Prism Version.

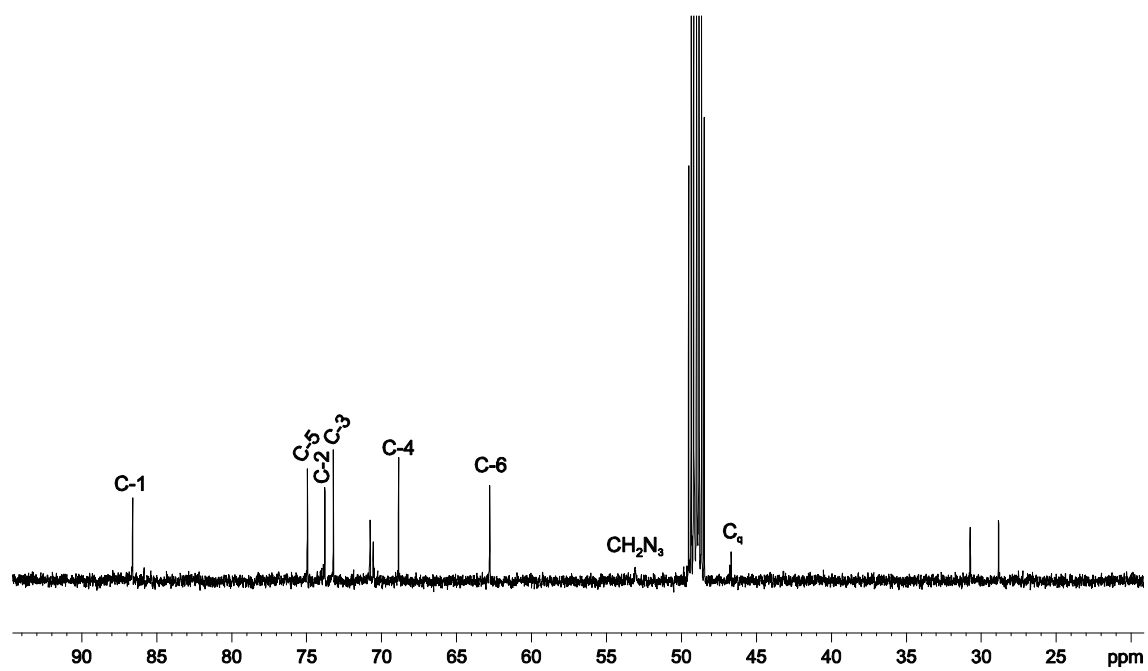
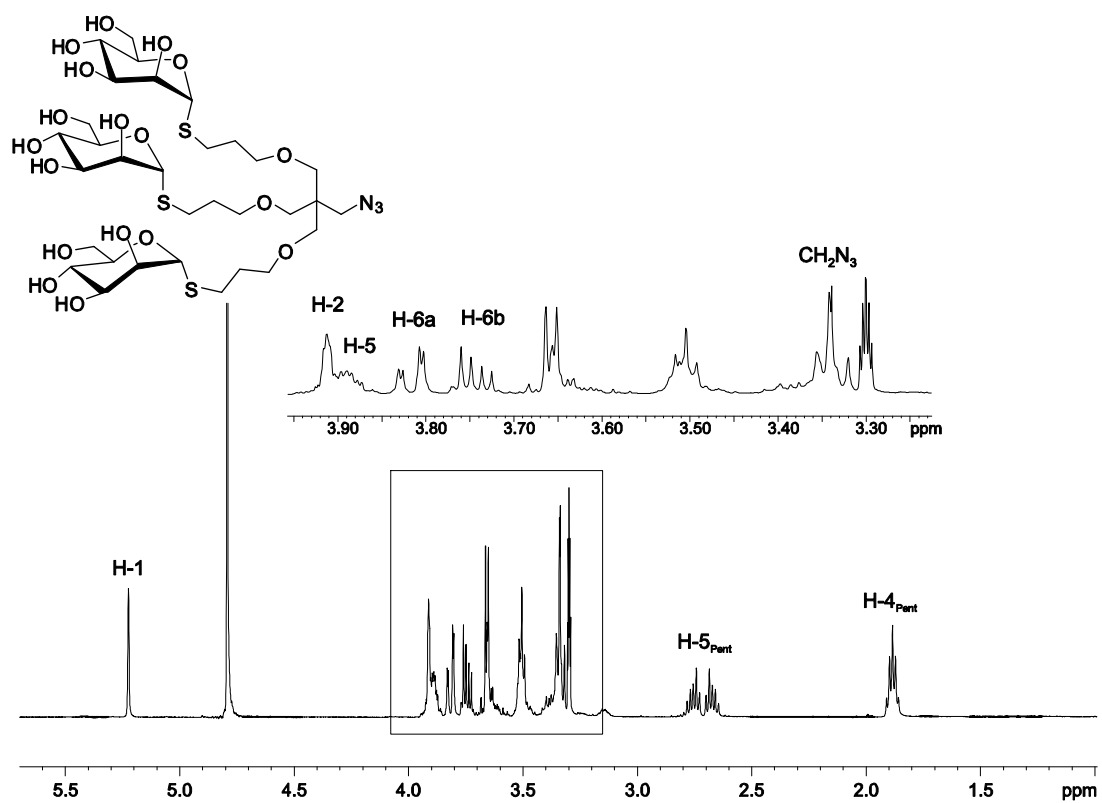


Figure S2 ^1H NMR (above) and ^{13}C NMR spectra (500 MHz, 125.7 MHz, CD_3OD) of compound Man_3N_3 .

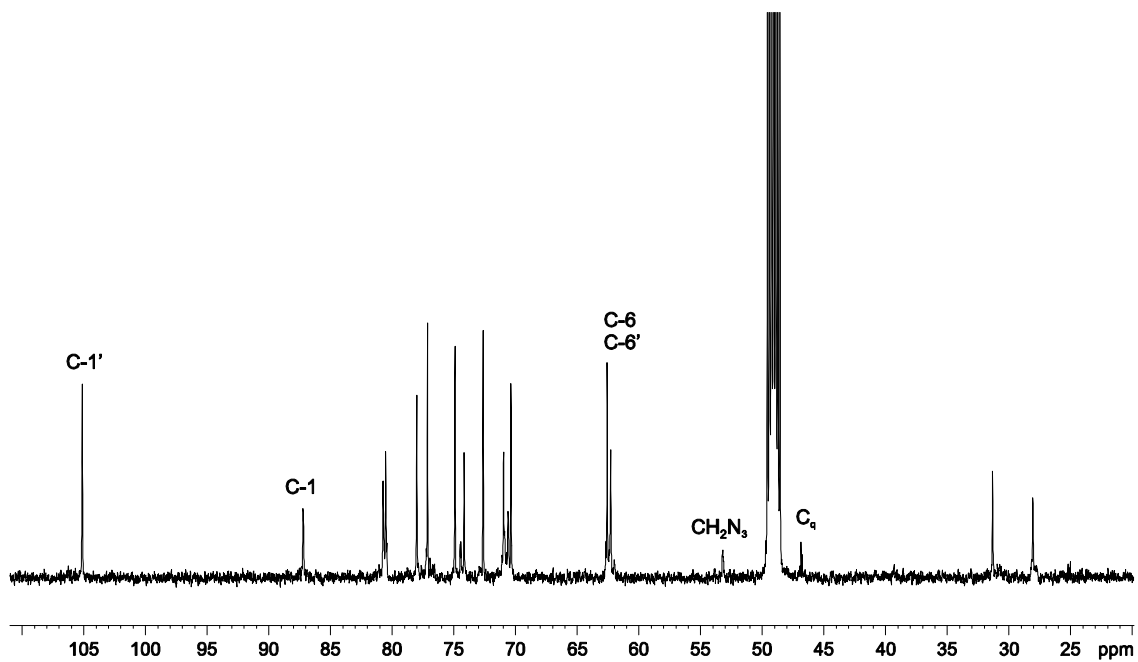
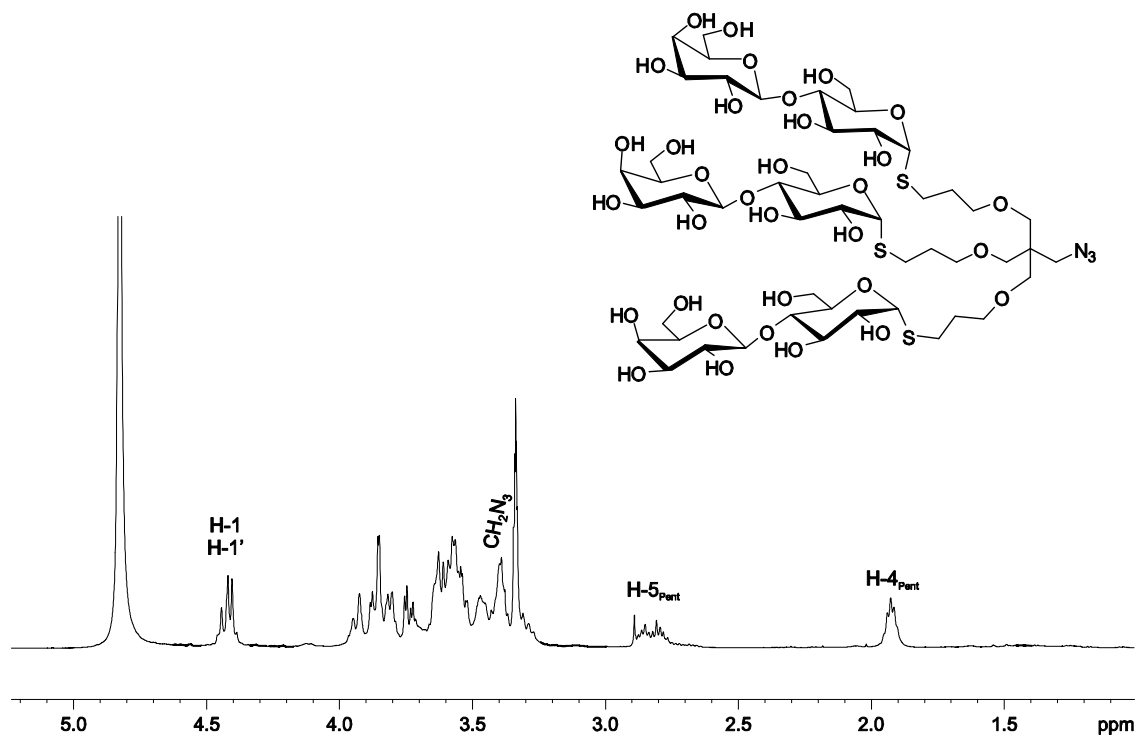


Figure S3. ¹H NMR (above) and ¹³C NMR spectra (500 MHz, 125.7 MHz, CD₃OD) of compound Lac₃N₃.

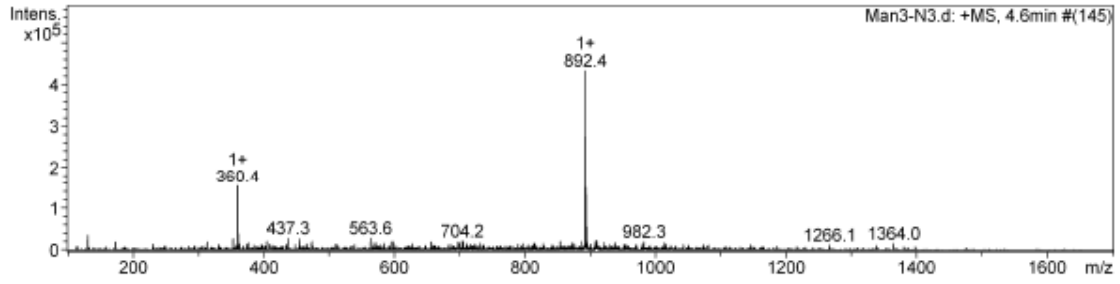


Figure S4. ESIMS spectrum of Man_3N_3 .

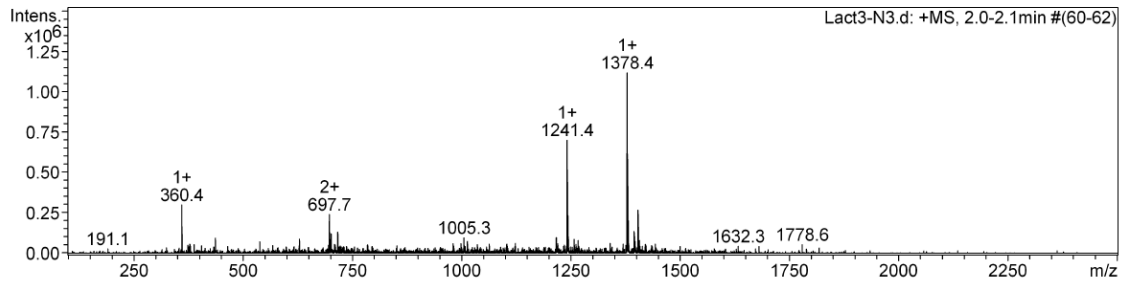


Figure S5. ESIMS spectrum of Lac_3N_3 .