

## Biomimetic ion channels formation by emulsion based on chemically modified cyclodextrin nanotubes

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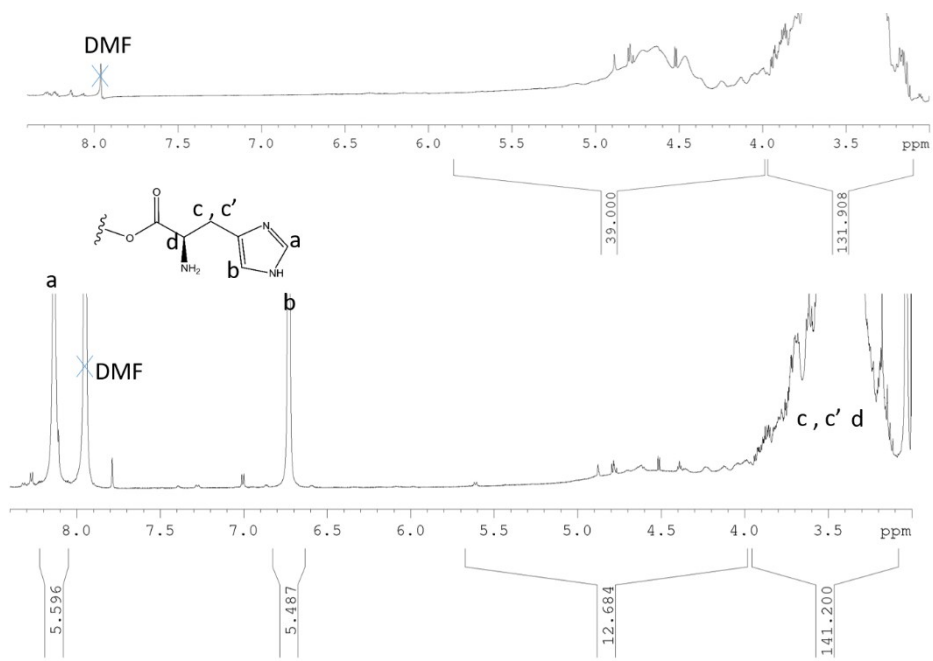
### Supporting Information

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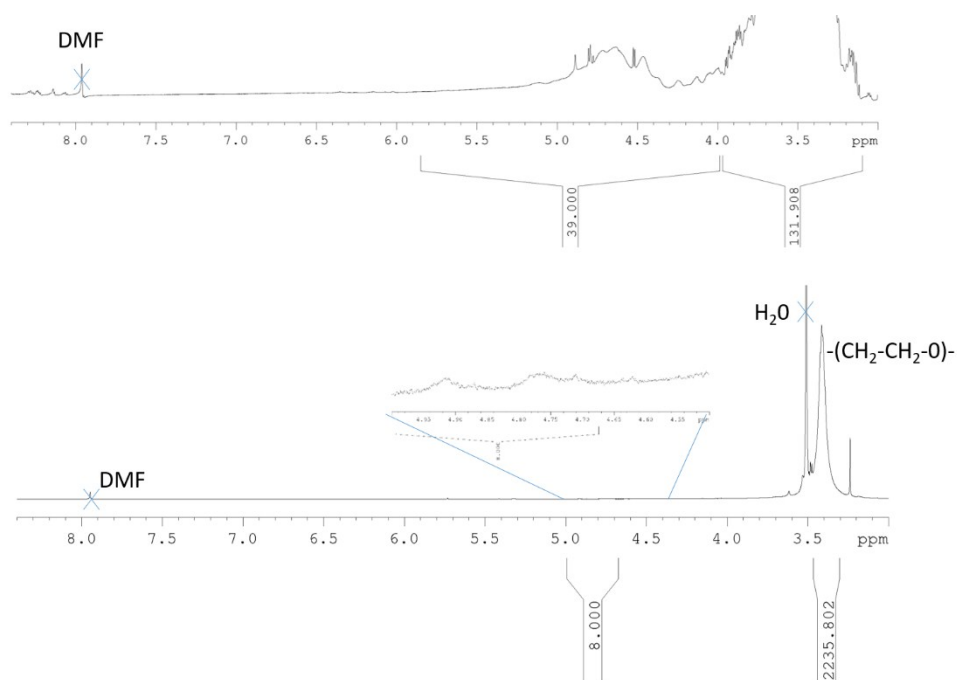
**Figure S1.** NMR <sup>1</sup>H spectra of the histidinylated NT before and after histidine grafting step in DMSO-d<sub>6</sub> p.2

**Figure S2.** NMR <sup>1</sup>H spectra of the PEGylated NT before and after PEG grafting step in DMSO-d<sub>6</sub> p.3

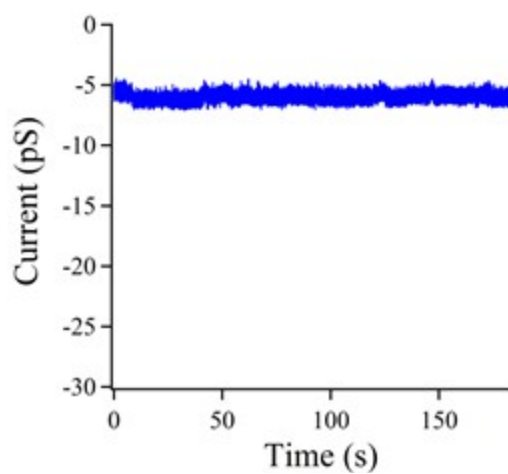
**Figure S3:** Part of current trace of PEGylated nanotubes into the lipid membrane at -80 mV.



**Figure S1.** NMR  $^1\text{H}$  spectra of the histidylated NT before and after histidine grafting step in  $\text{DMSO-d}_6$



**Figure S2.** NMR  $^1\text{H}$  spectra of the PEGylated NT before and after PEG grafting step in  $\text{DMSO-d}_6$



**Figure S3:** Part of current trace of PEGylated nanotubes into the lipid membrane at  $-80$  mV.