**Novel Alkyl Thioether Cyclodextrin Derivatives Against Bacterial Quorum Sensing in *Aliivibrio fischeri***

Éva Fenyvesi2\*, Zsófia Berkl1, Ligethy Laura1, Ildikó Fekete-Kertész1, Márton Csizmazia1, Milo Malanga2, 3, István Puskás2, Levente Szőcs2, Erzsébet Varga2, Lajos Szente2, Mónika Molnár1

1Department of Applied Biotechnology and Food Science, Budapest University of Technology and Economics, Budapest, Hungary

2CycloLab Cyclodextrin R&D Laboratory Ltd., Budapest, Hungary

3*Present affiliation:* CarboHyde, Budapest, Hungary

Email: [fenyvesi.e@cyclolab.hu](mailto:fenyvesi.e@cyclolab.hu)

\* Corresponding author

‡ Equal contributors

Table S1. Chemical shifts of QA-6S-C6-ACD in 1HNMR spectrum (D2O, 600 MHz)

|  |  |
| --- | --- |
| **δ (ppm)** | **Assignment** |
| 5.23-5.15 | (m, 7H, H1, H1’ |
| 4.46 | (s, 2.7H, H14); |
| 4.12–3.43 | (m, 52H, H2, H3, H4, H5, H6, H6’, H7, H13, H15); |
| 3.26 | (s, 28.4H, H16, H17, H18); |
| 1.6-1.3 | (m, 8H, H8, H9, H10, H11); |
| 0.94 | (t, 3H, H12). |