Synthesis and Electrochemical Characterization of 4-Thio Pseudo-Glycolipids as Candidate Tethers for Lipid Bilayer Models.

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Supporting Information 2

- ¹H, COSY, ¹³C and HSQC, NMR spectra for compounds **3–4**, **7**, **10** and **11**.

Compound **3** (400 MHz, CD₃OD, 295 K)

NAME GP.2.77.1.347
 EXPNO 1
 PROCNO 1
 Date_ 20130705
 Time 14.41
 INSTRUM spect
 PROBHD 5 mm CPPBBO BE
 PULPROG zg30
 TD 44774
 SOLVENT MeOH
 NS 4
 DS 1
 SWH 5597.015
 FIDRES 0.125006
 AQ 3.9998608
 RG 40.0
 DW 89.333
 DE 10.00
 TE 296.0
 D1 2.00000000
 TD0 1

===== CHANNEL f1 =====
 SFO1 400.1324708
 NUC1 1H
 P1 11.00
 SI 65536
 SF 400.1300045
 WDW EM

Compound **3** (400 MHz, CD₃OD, 295 K)

Compound **3** (Edited HSQC, CH₂ in black; CH and CH₃ in blue, CD₃OD, 295 K)

Compound **3** (100 MHz, CD₃OD, 295 K)

Compound **4** (400 MHz, CD₃OD + 5% CDCl₃, 295 K)

NAME FIGP.2.89.2-34
 EXPNO 1
 PROCNO 1
 Date_ 20151030
 Time 8.21
 INSTRUM spect
 PROBHD 5 mm CPPBBO BE
 PULPROG zg30
 TD 44774
 SOLVENT MeOH
 NS 1
 DS 1
 SWH 5597.015
 FIDRES 0.125000
 AQ 3.9998608
 RG 101
 DW 89.330
 DE 10.00
 TE 295.0
 D1 2.00000000
 TD0 1

===== CHANNEL f1 =====
 SFO1 400.1324708
 NUC1 1H
 P1 11.00
 SI 65536
 SF 400.1300079
 WDW EM

Compound **4** (400 MHz, CD₃OD + 5% CDCl₃, 295 K)

Compound **4** (HSQC edited, CH₂: black, CH₃ and CH blue, CD₃OD + 5% CDCl₃, 295 K)

Compound **4** (100 MHz, CD₃OD + 5% CDCl₃, 295 K)

Compound 5 (400 MHz, CD₃OD, 297 K)

Compound 5 (400 MHz, CD₃OD, 297 K)

Compound **5** (HSQC, CD₃OD, 297 K)

Compound 5 (100 MHz, CDCl_3 + 5 % CD_3OD , 297 K)

Compound 7 (400 MHz, CDCl₃, 295 K)

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NAME      GP.1.147.1.11F
EXPNO     1
PROCNO    1
Date_     20121004
Time      20.17
INSTRUM   spect
PROBHD    5 mm PABBO BB-
PULPROG   zg30
TD         32768
SOLVENT   CDCl3
NS         4
DS         0
SWH        5597.015
FIDRES     0.170807
AQ         2.9273248
RG         128
DW         89.333
DE         6.50
TE         294.8
D1         1.0000000
TDO        1
    
```

Compound **7** (400 MHz, CDCl₃, 295 K)

Compound **7** (HSQC edited, CH₂: black, CH₃ and CH blue, CDCl₃ + 5% CD₃OD, 295 K)

Compound **7** (100 MHz, CDCl₃, 295 K)

Compound **10** (400 MHz, DMSO-*d*₆, 295 K)

Compound **10** (400 MHz, DMSO- d_6 , 295 K)

Compound **10** (HSQC, DMSO- d_6 , 295 K)

Compound **10** (100 MHz, DMSO-*d*₆, 295 K)

Compound **11** (400 MHz MHz, CD₃OD, 293 K)

Compound **11** (400 MHz MHz, CD₃OD, 293 K)

Compound **11** (HSQC, CD₃OD, 293 K)

Compound **11** (100 MHz MHz, CD₃OD, 293 K)