

Supporting Information

for

Homochiral BINOL-based macrocycles with π -electron-rich, electron-withdrawing or extended spacing units as receptors for C₆₀

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**UV spectra for selected macrocycles, additional NMR and MS spectra
for all newly synthesized macrocycles**

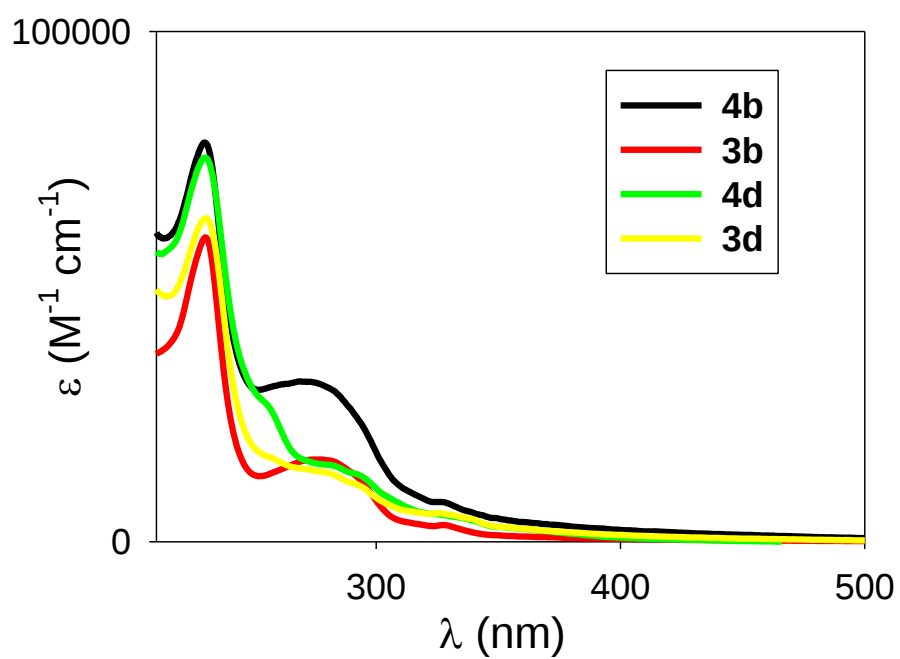
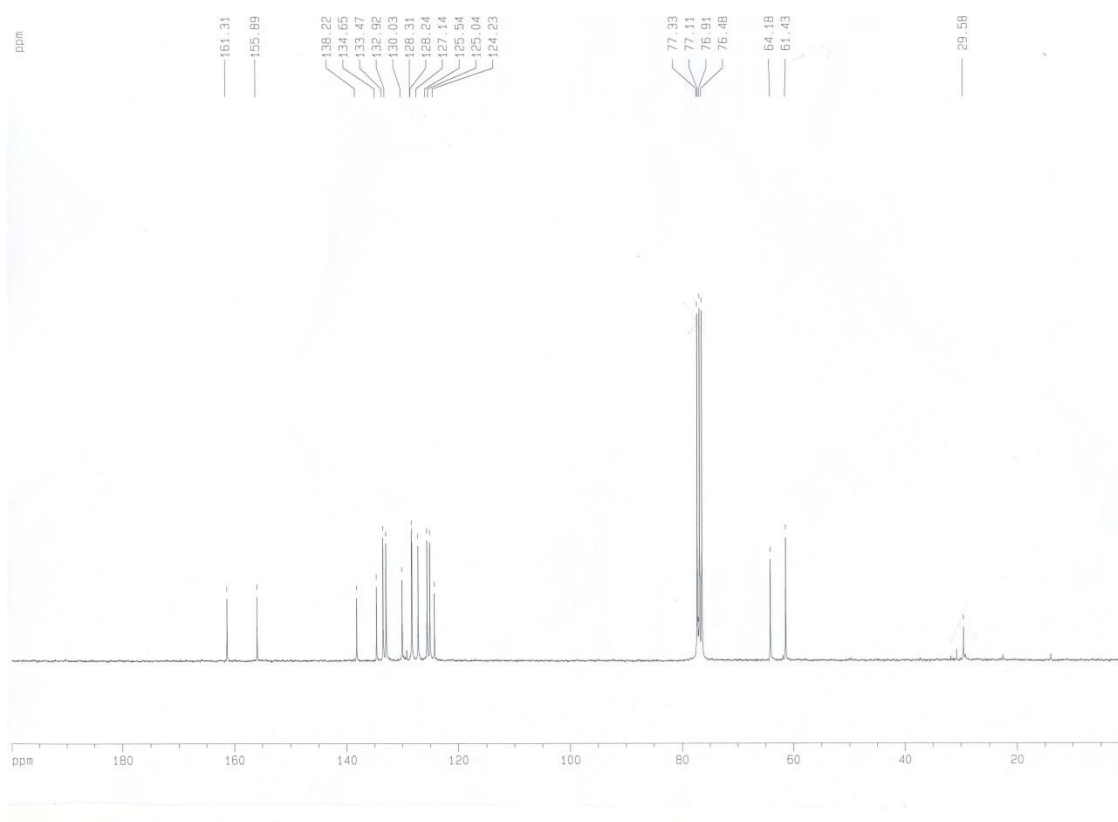


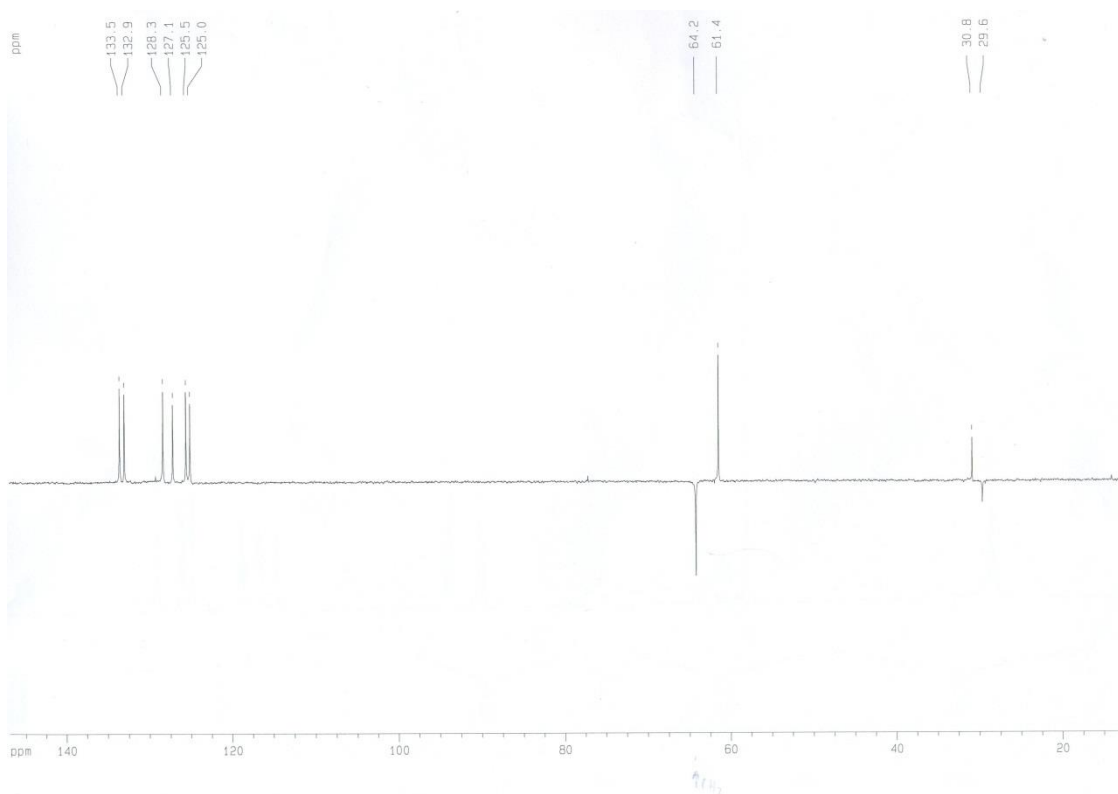
Figure S1: UV-vis spectra of macrocycles **3a**, **3d**, **4a** and **4d** in EtOH ($0.5\text{--}12 \times 10^{-6}$ M).

Compound (*R,R*)-**3b**.

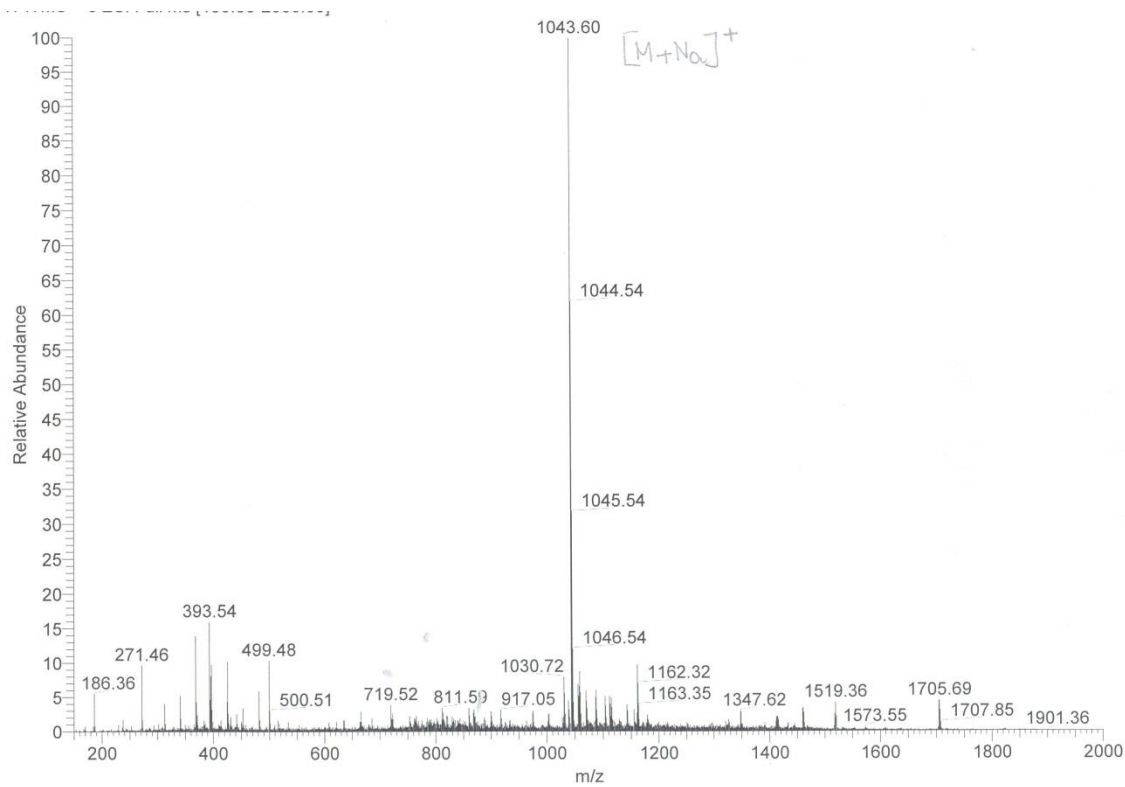
^{13}C NMR (CDCl_3 , 75 MHz)



^{13}C NMR DEPT (CDCl_3 , 75 MHz)

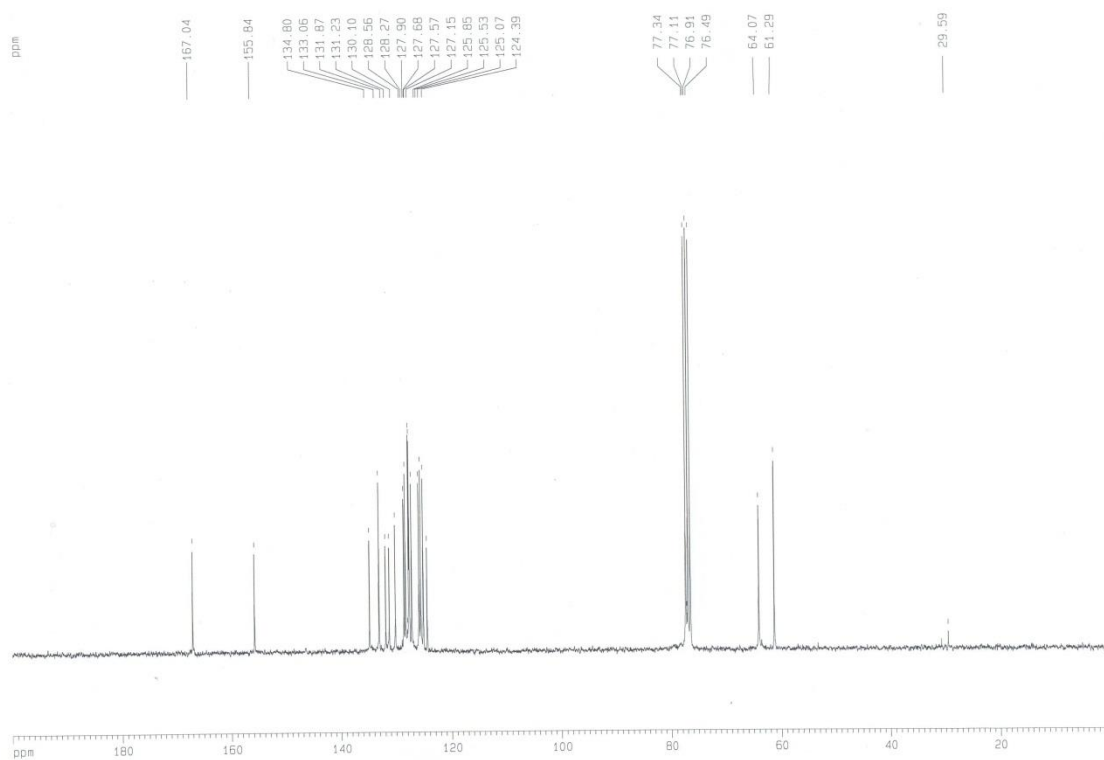


ESIMS

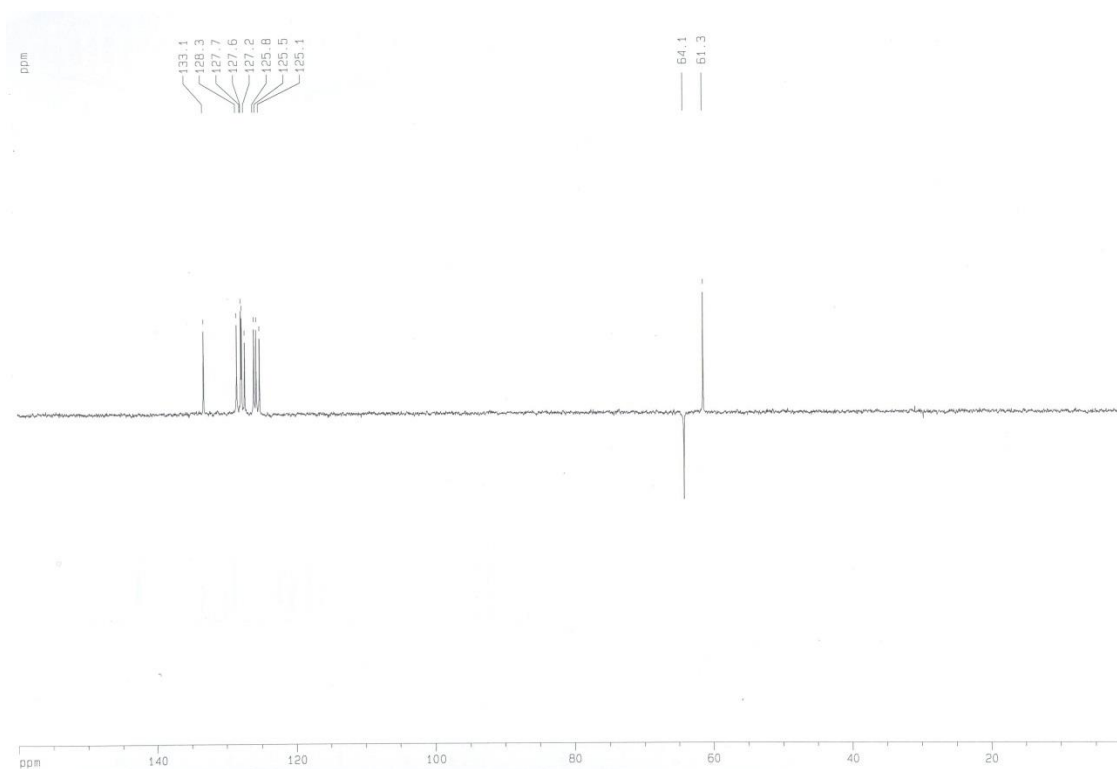


Compound (*R,R*)-**3c**.

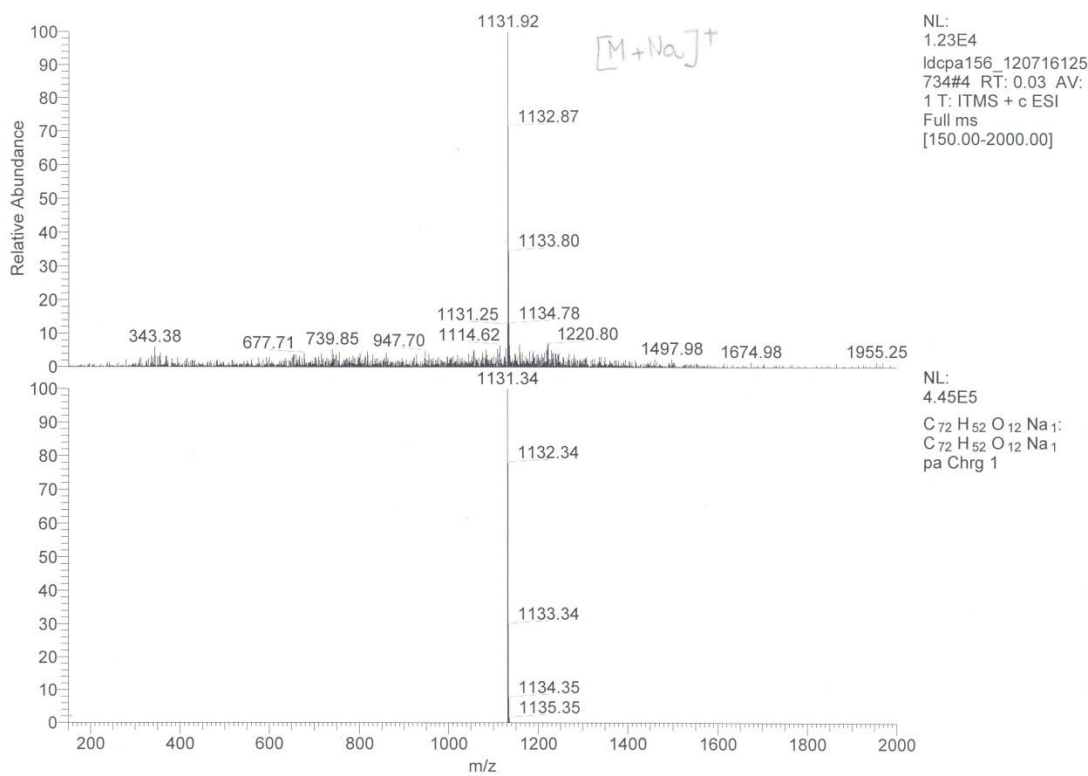
^{13}C NMR (CDCl_3 , 75 MHz)



^{13}C NMR DEPT (CDCl_3 , 75 MHz)

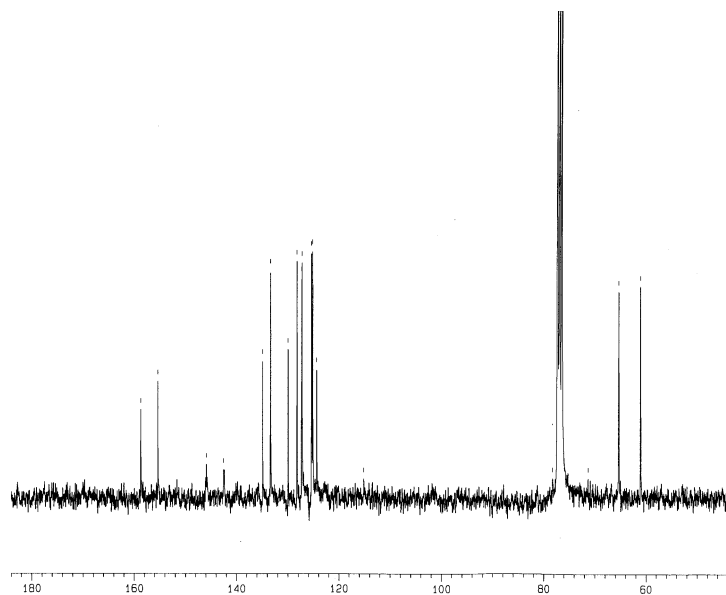


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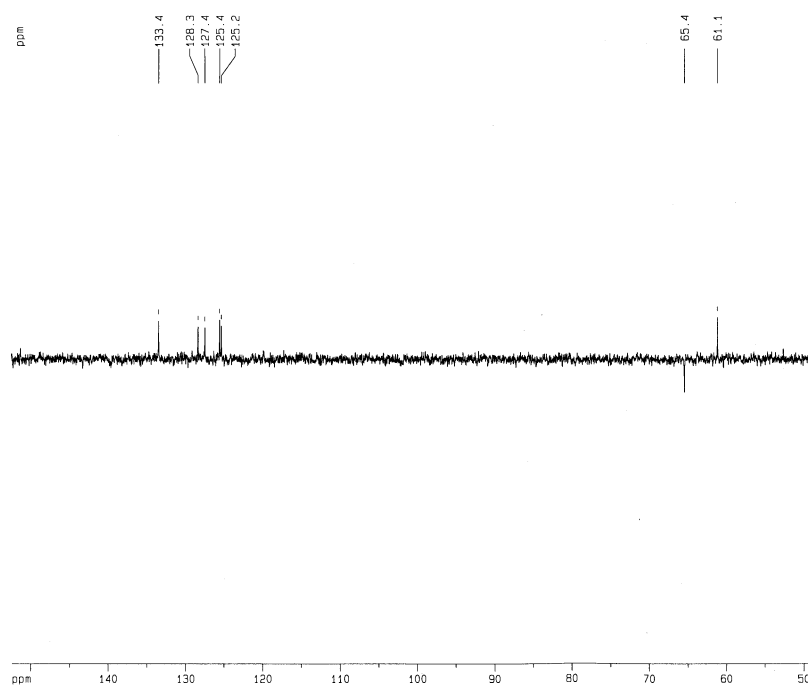


Compound (*R,R*)-**3d**

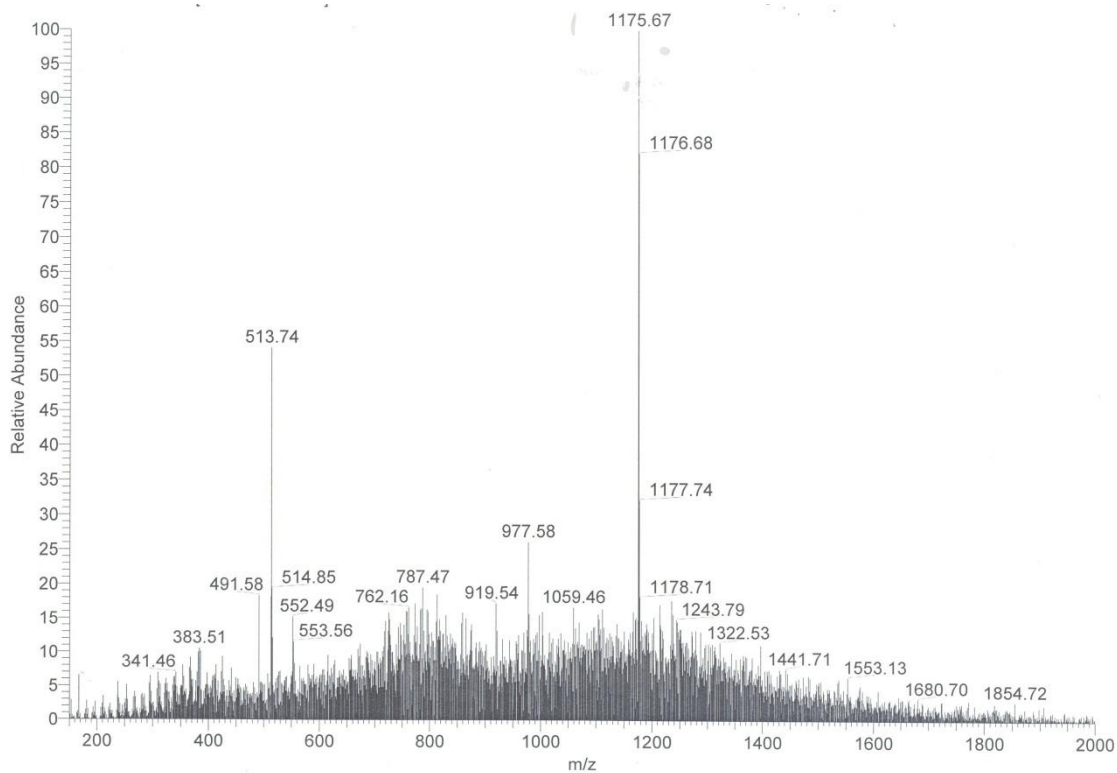
^{13}C NMR (CDCl_3 , 75 MHz)



^{13}C NMR DEPT (CDCl_3 , 75 MHz)

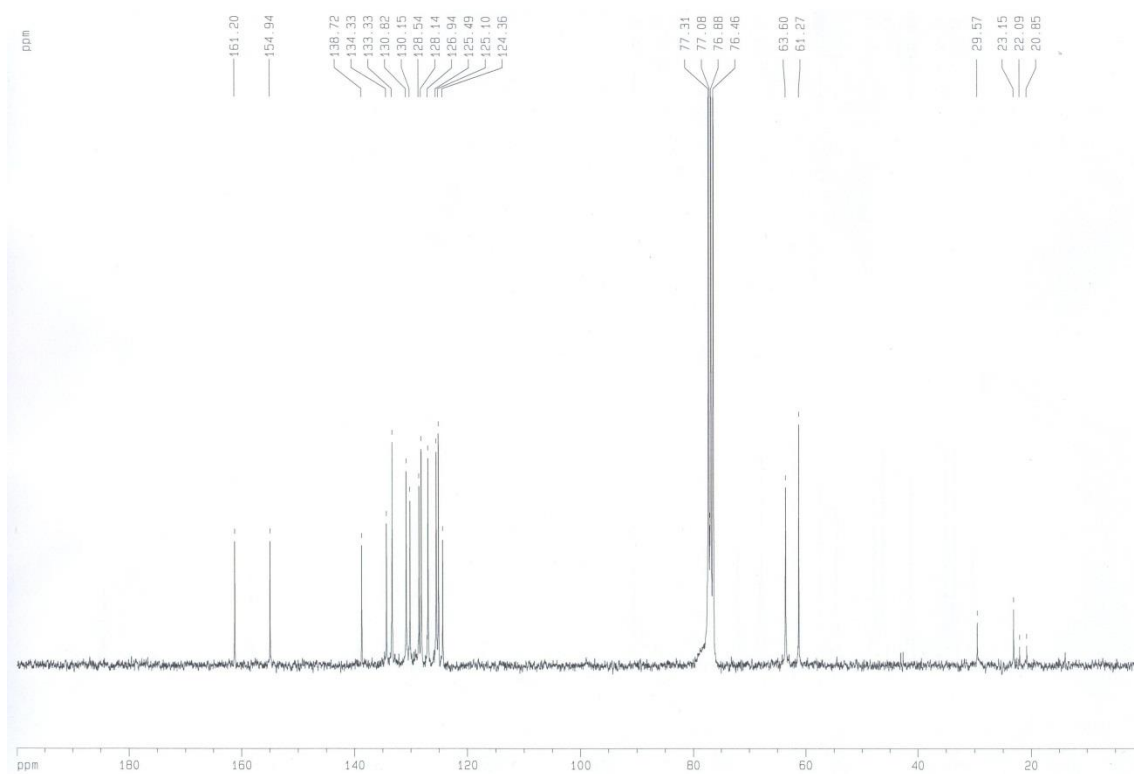


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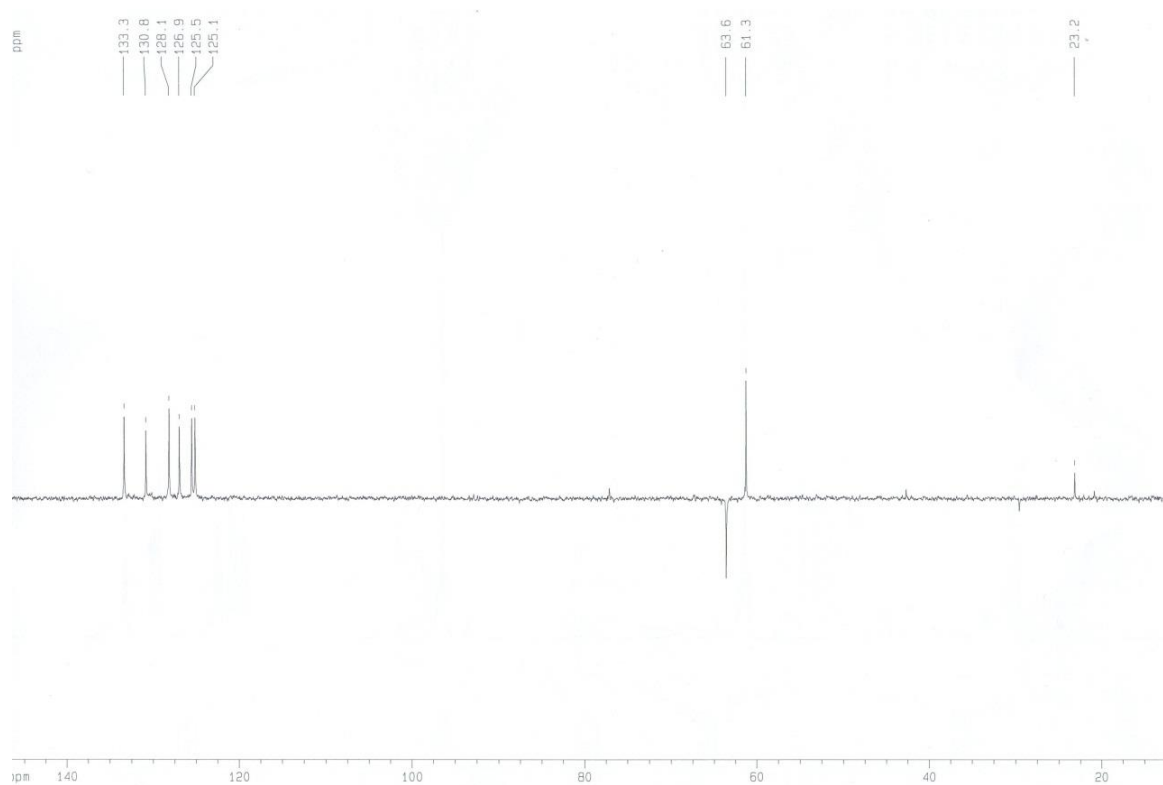


Compound (*R,R,R*)-**4b**.

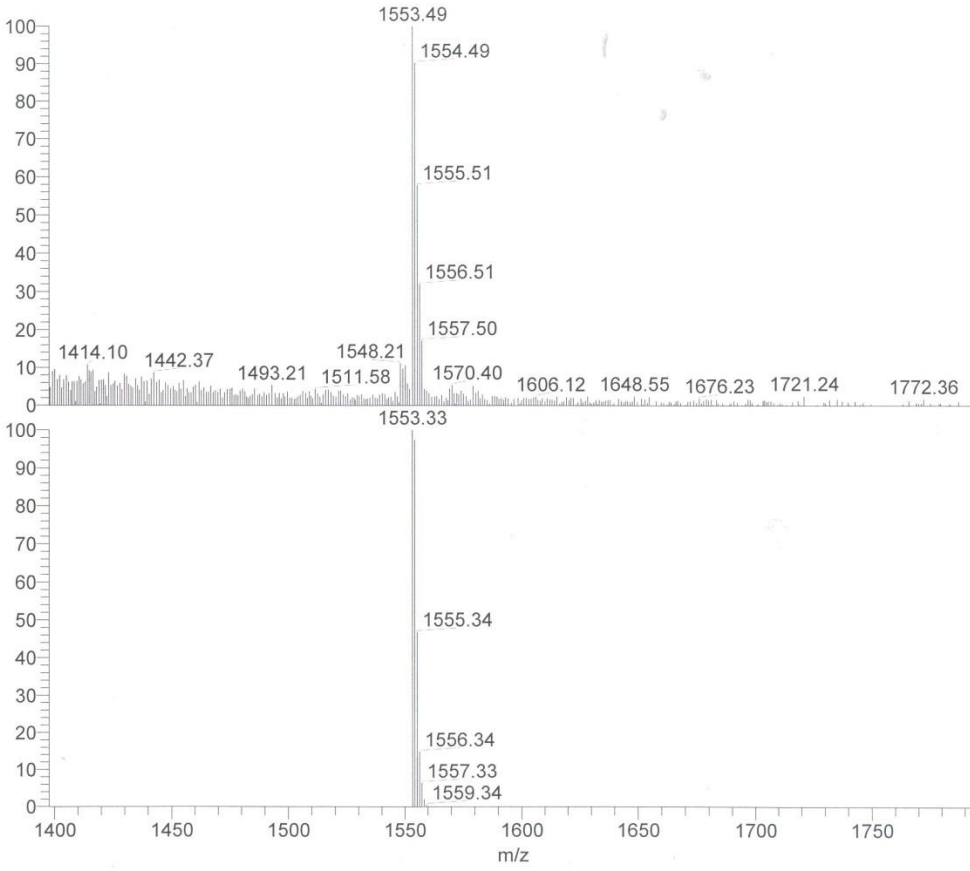
^{13}C NMR (CDCl_3 , 75 MHz)



^{13}C NMR DEPT (CDCl_3 , 75 MHz)



ESIMS

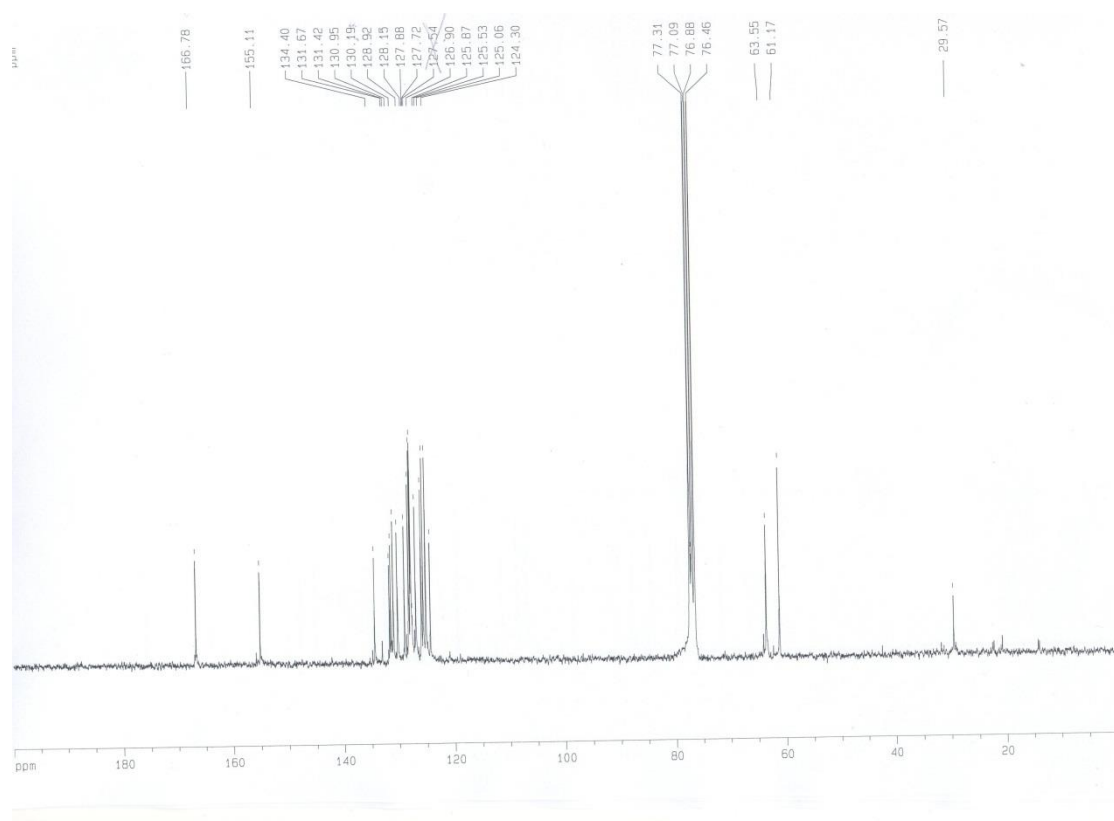


NL:
5.68E2
ldcpa159bis#3-7 RT:
0.02-0.05 AV: 5 T:
ITMS + c ESI Full ms
[150.00-2000.00]

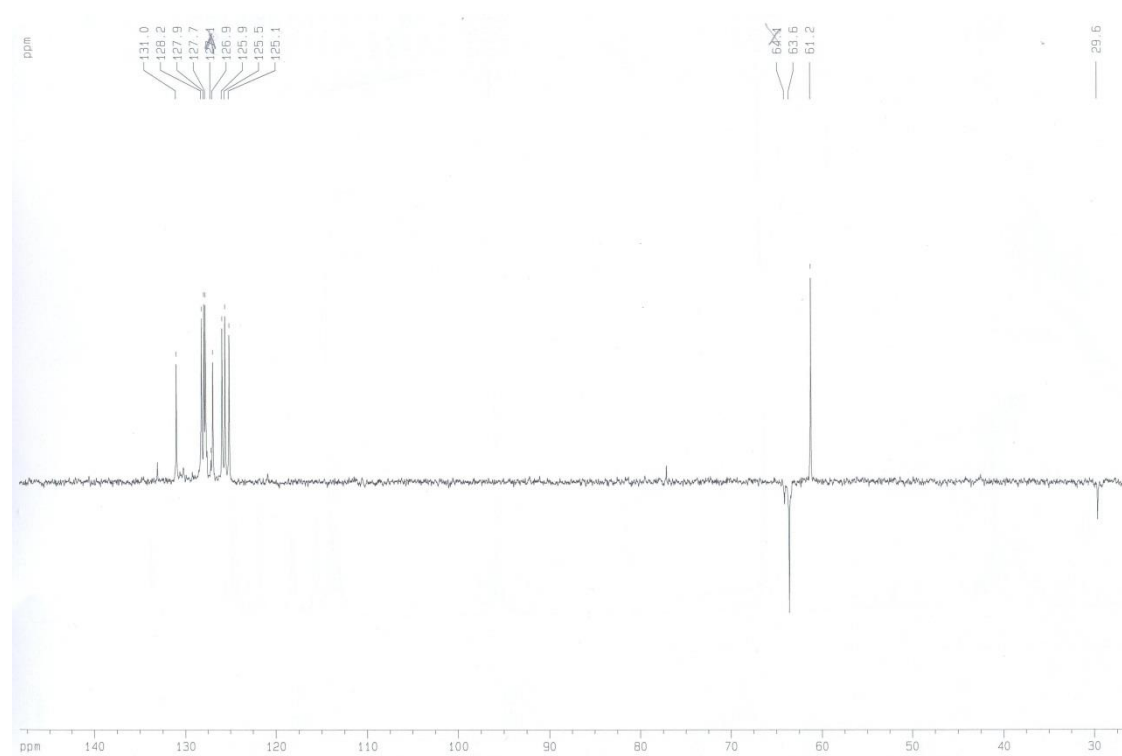
NL:
3.09E5
 $C_{90}H_{66}O_{18}S_3 + Na$:
 $C_{90}H_{66}O_{18}S_3Na_1$
pa Chrg 1

Compound (R,R,R)-4c.

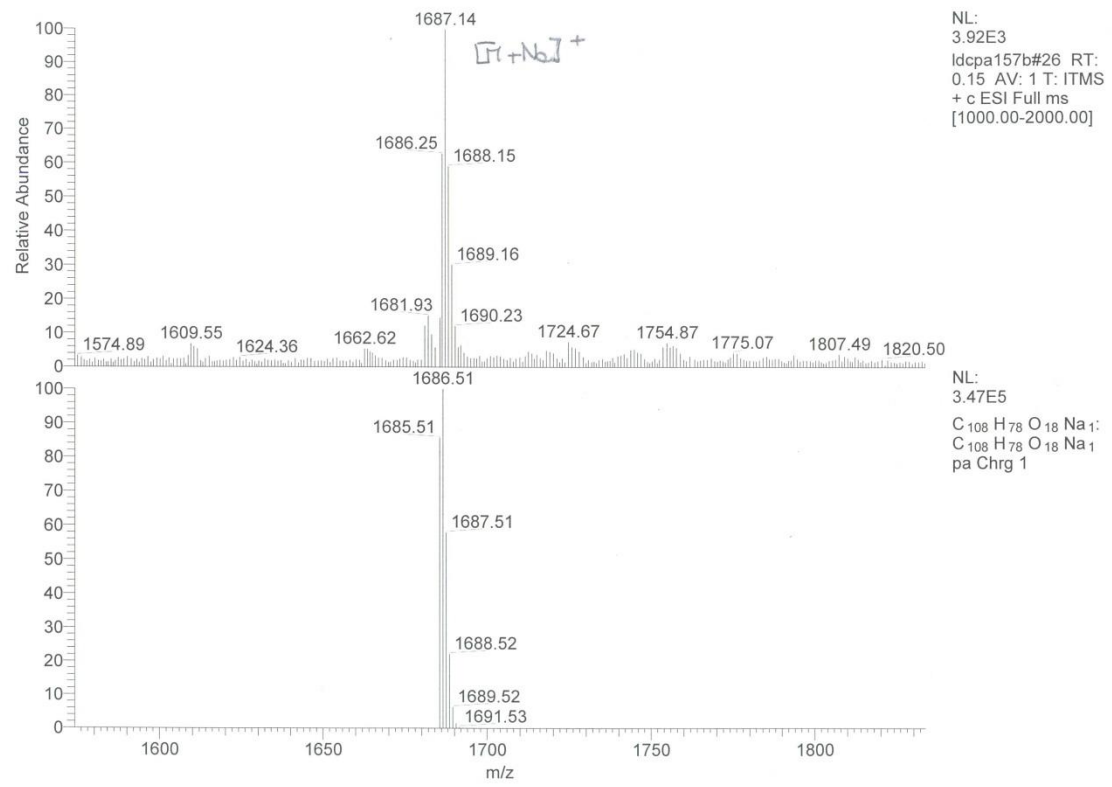
^{13}C NMR (CDCl_3 , 75 MHz)



^{13}C NMR DEPT (CDCl_3 , 75 MHz)

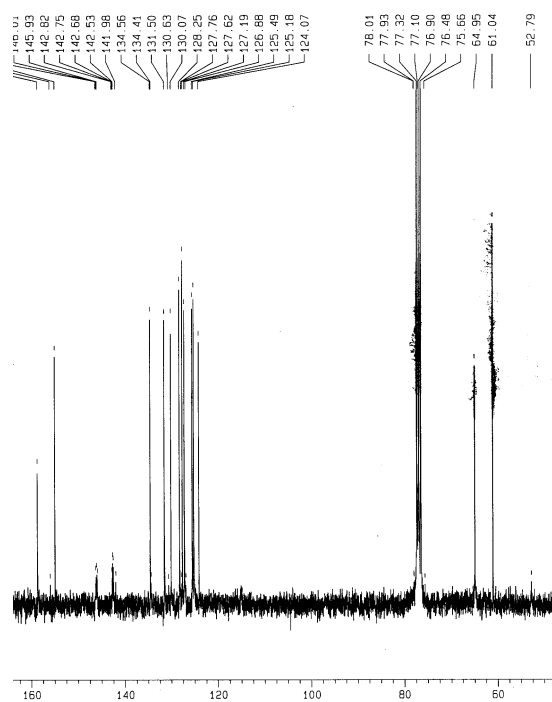


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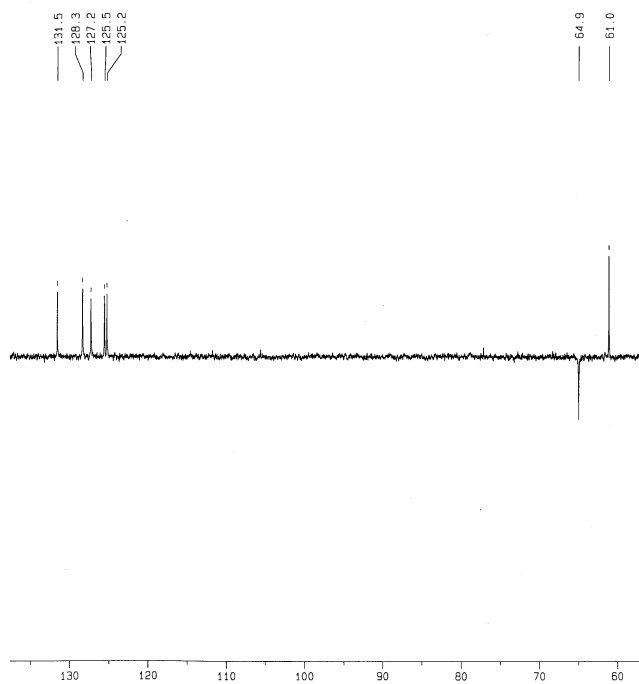


Compound (*R,R,R*)-**4d**

^{13}C NMR (CDCl_3 , 75 MHz)



^{13}C NMR DEPT (CDCl_3 , 75 MHz)



ESIMS

