

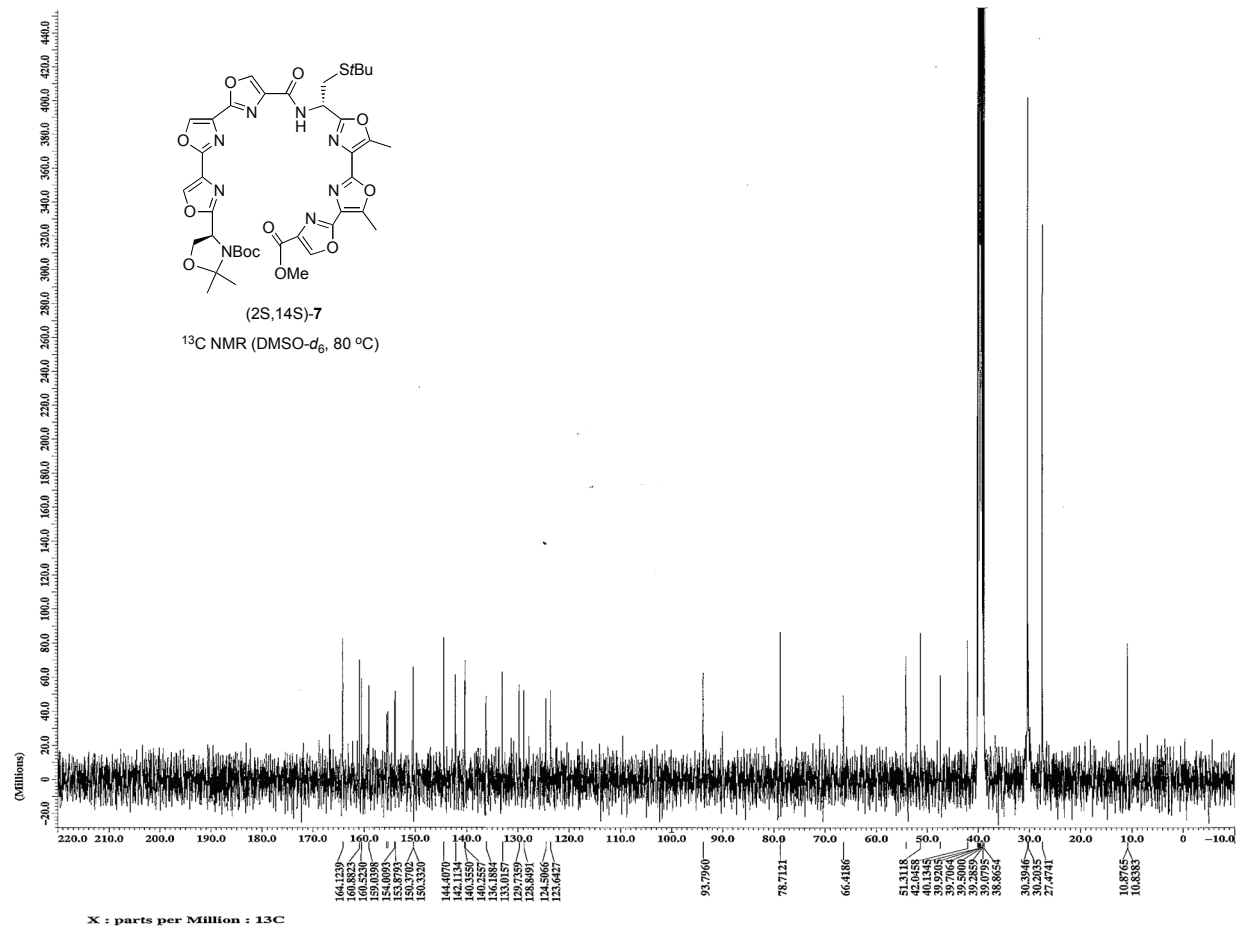
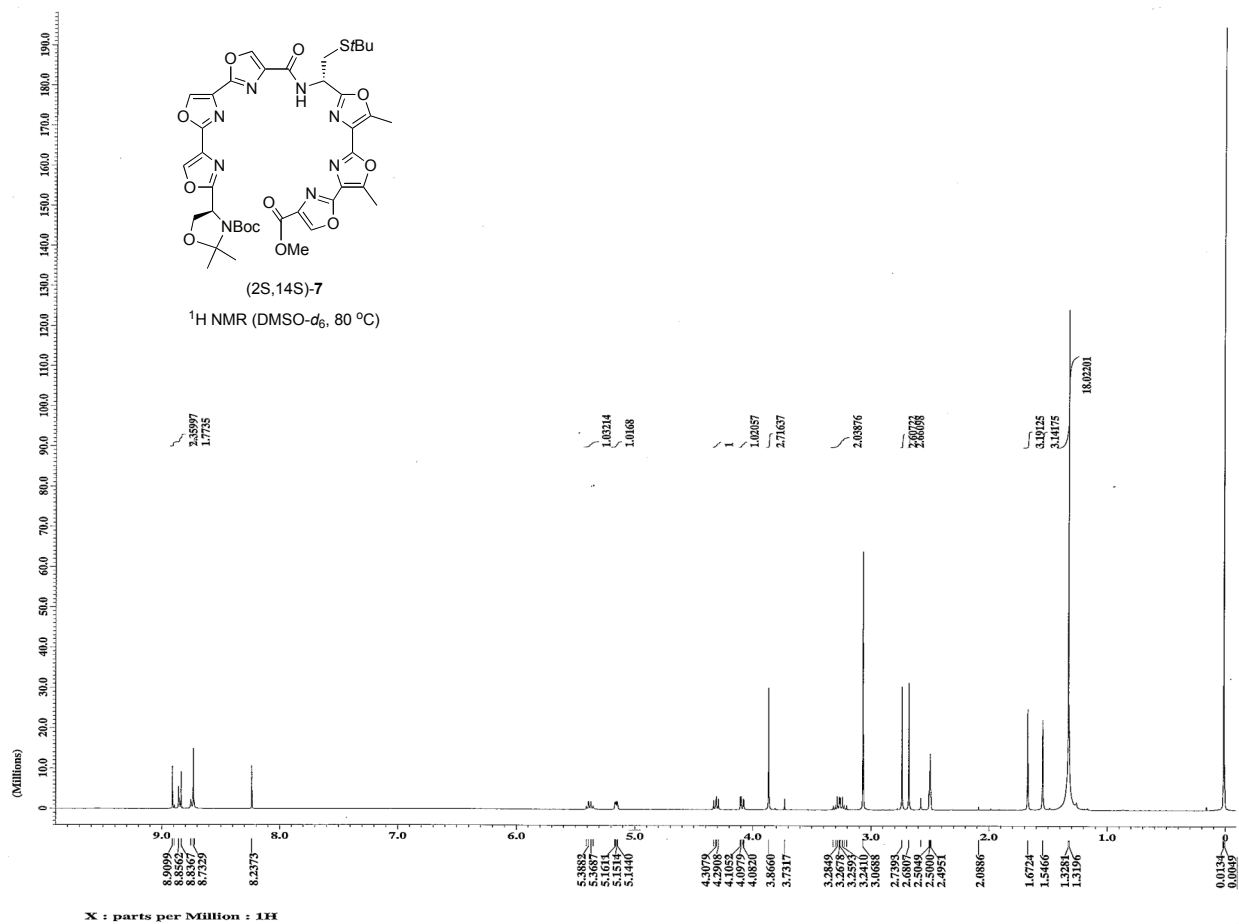
Supplementary Information

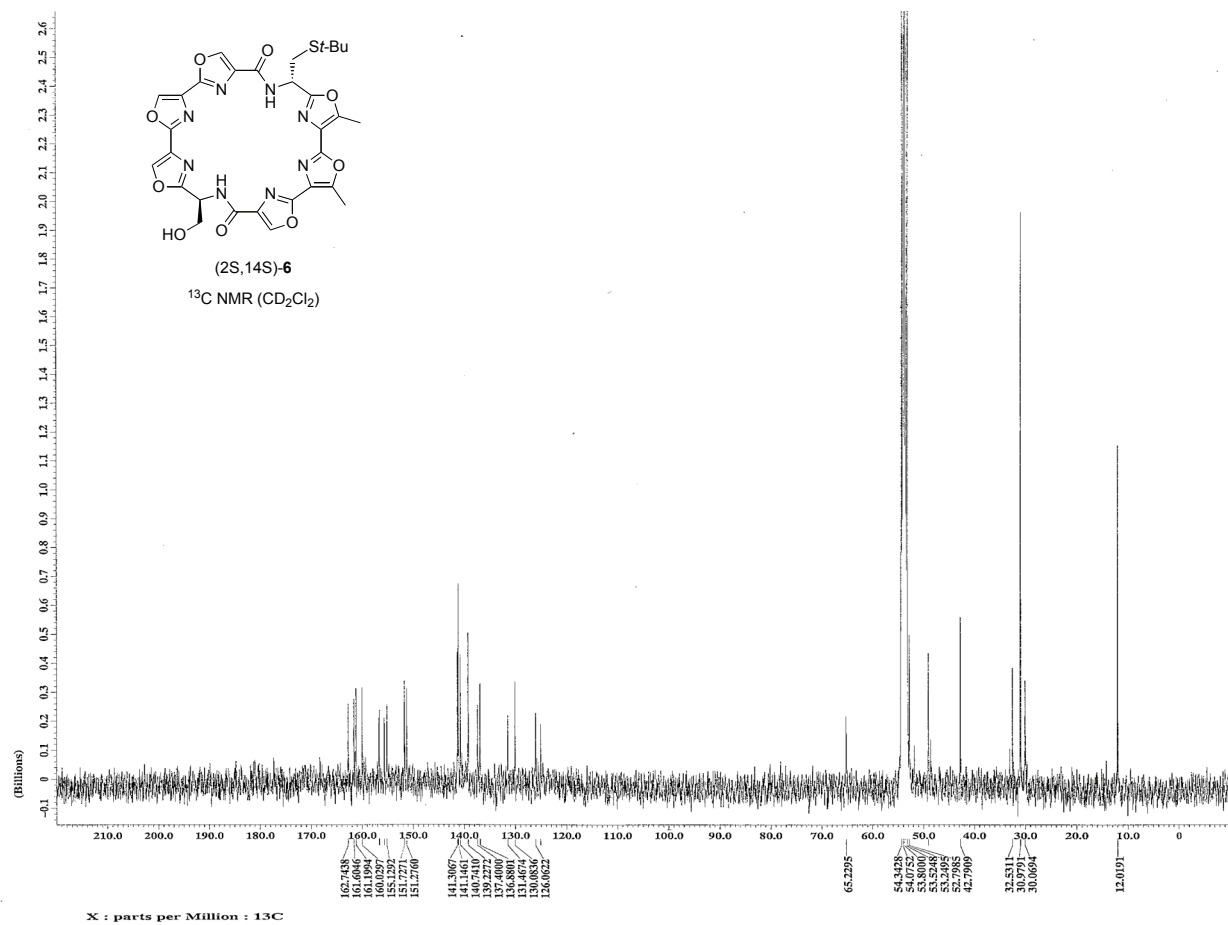
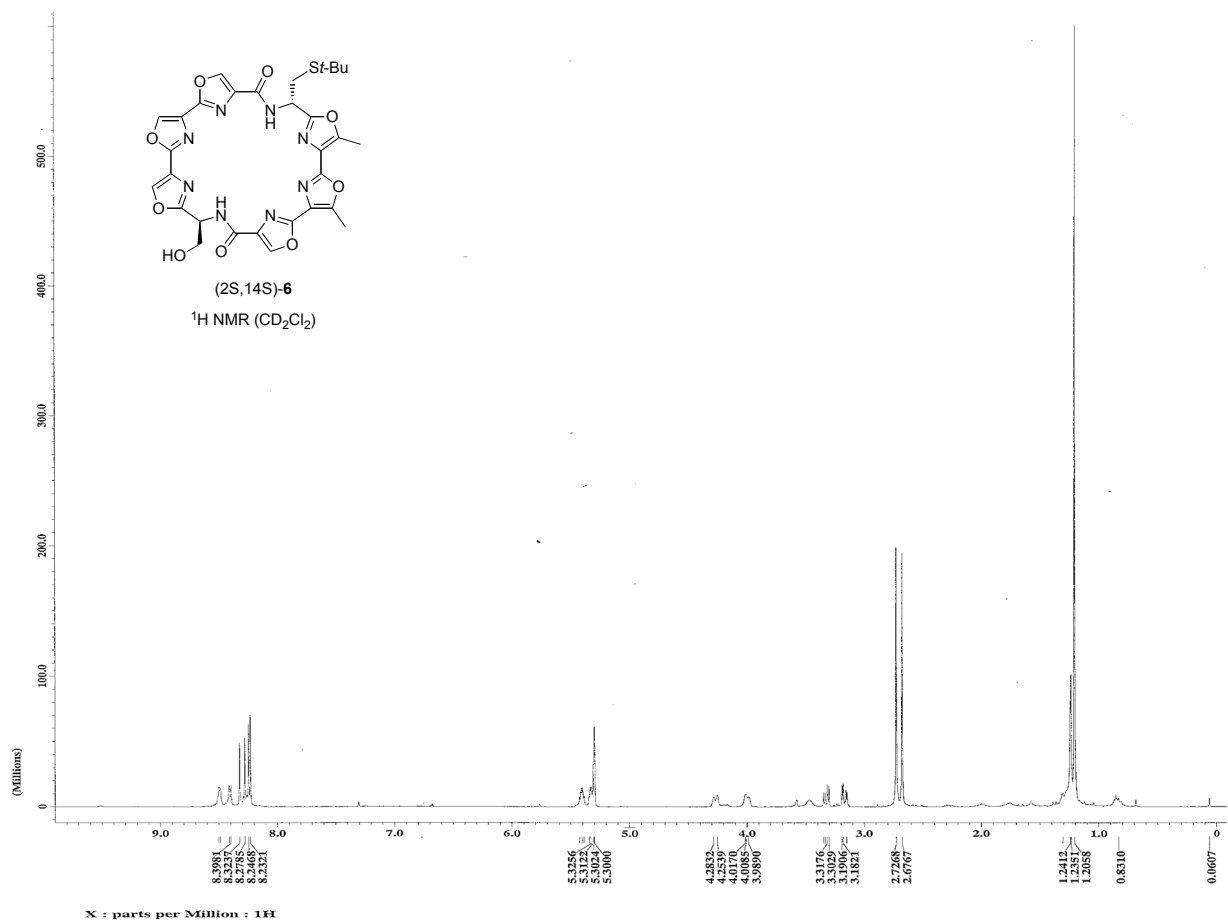
(*S*)-Stereoisomer of Telomestatin as a Potent G-quadruplex Binder and Telomerase Inhibitor

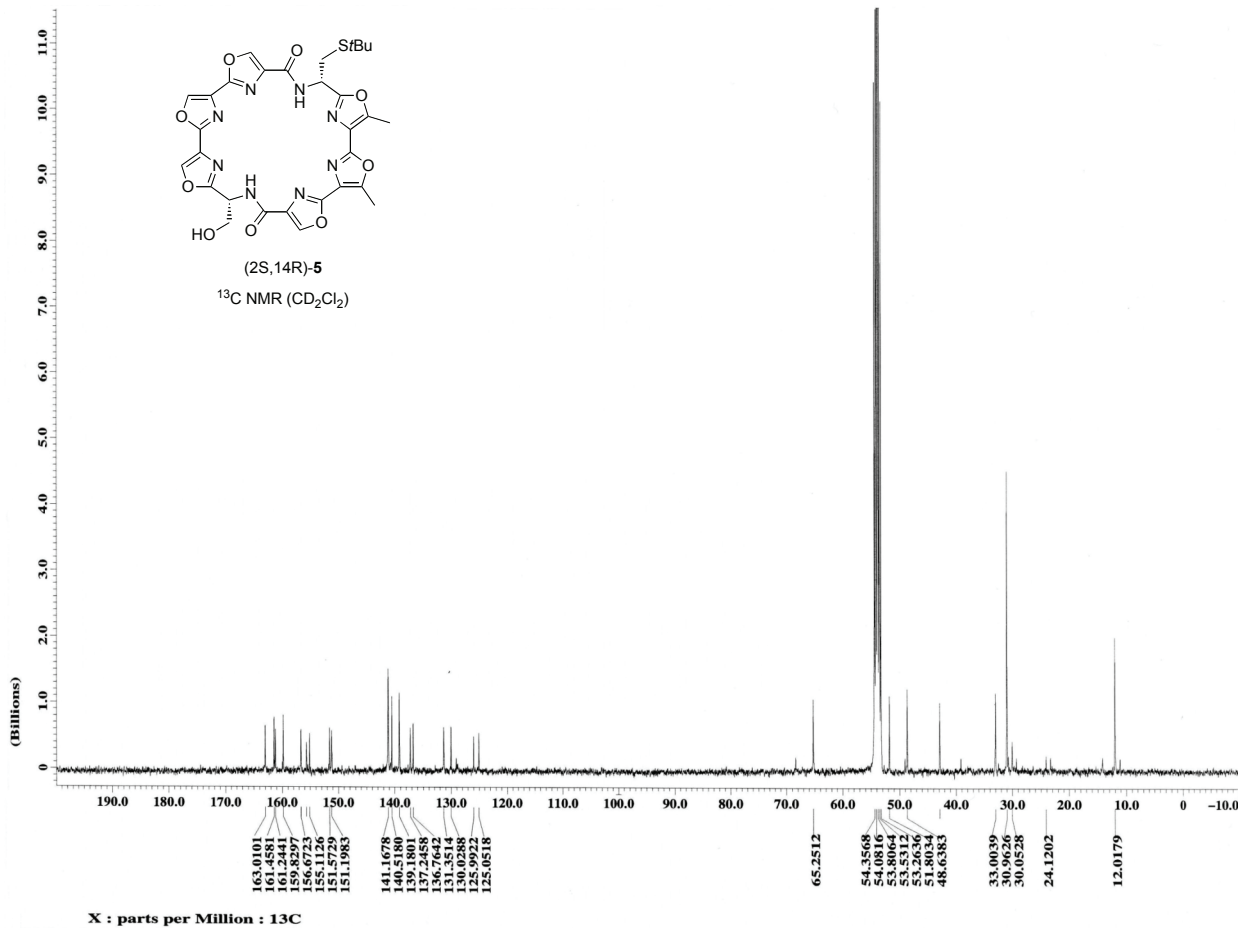
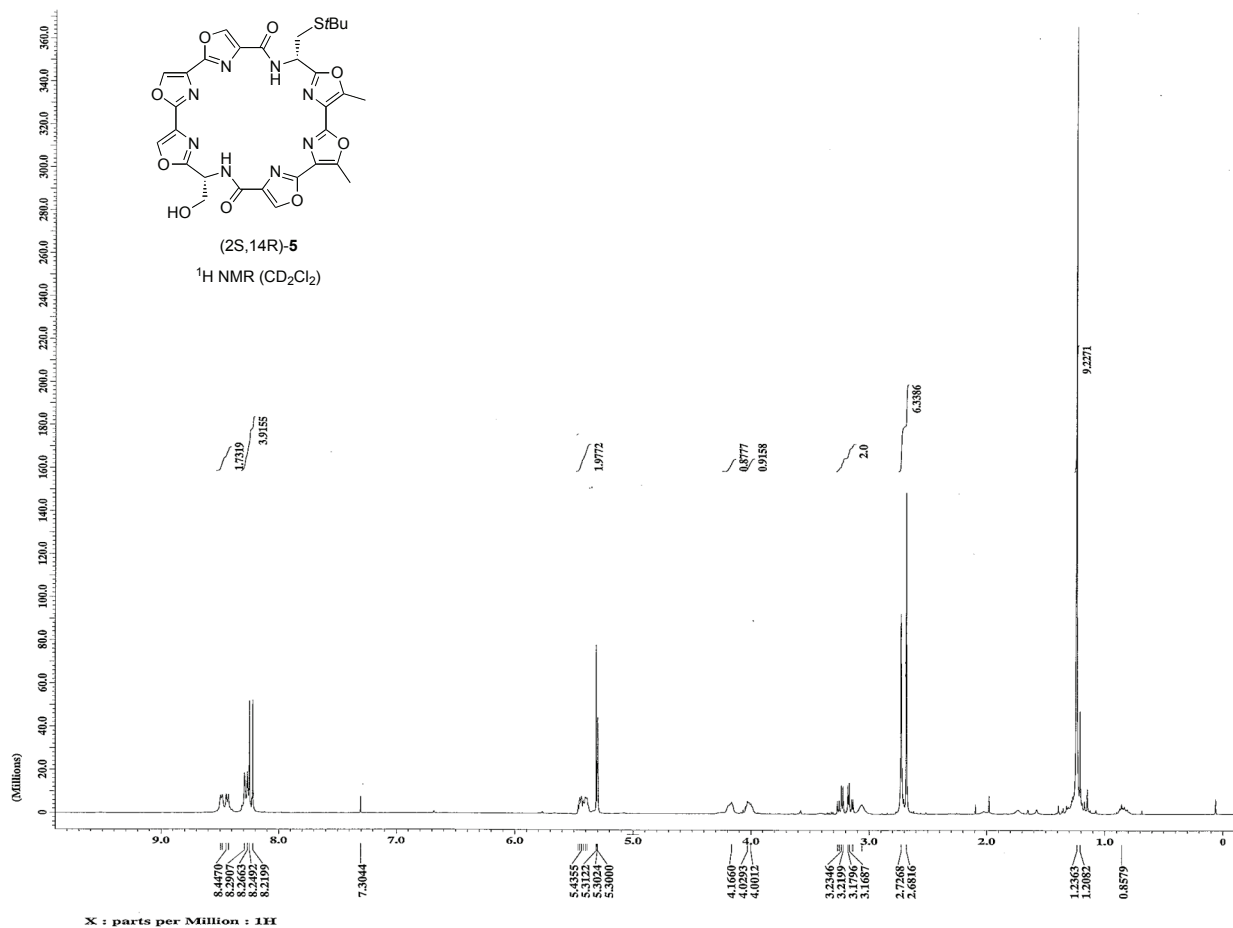
Takayuki Doi,* Kazuaki Shibata, Masahito Yoshida, Motoki Takagi, Masayuki Tera, Kazuo
Nagasawa, Kazuo Shin-ya, and Takashi Takahashi*

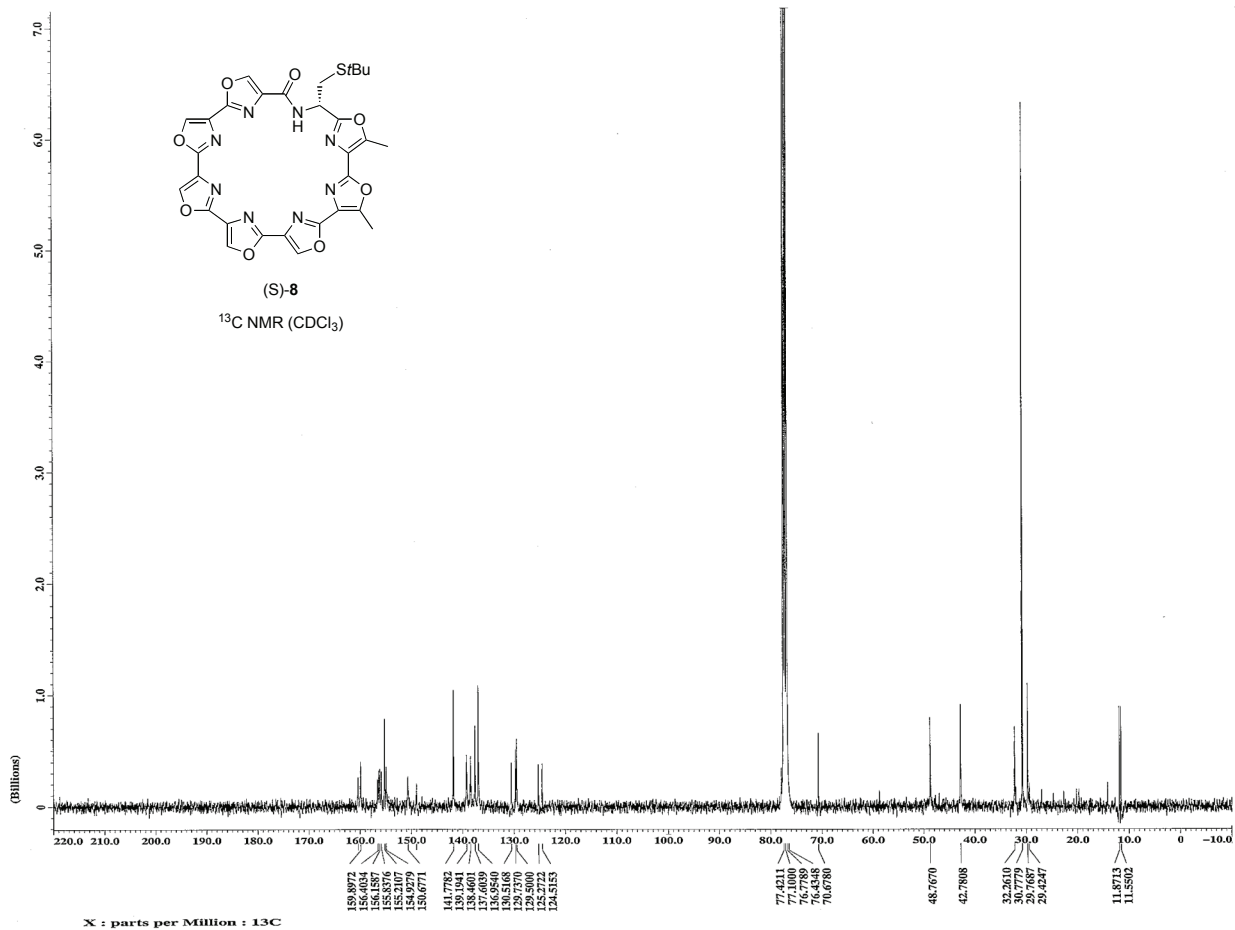
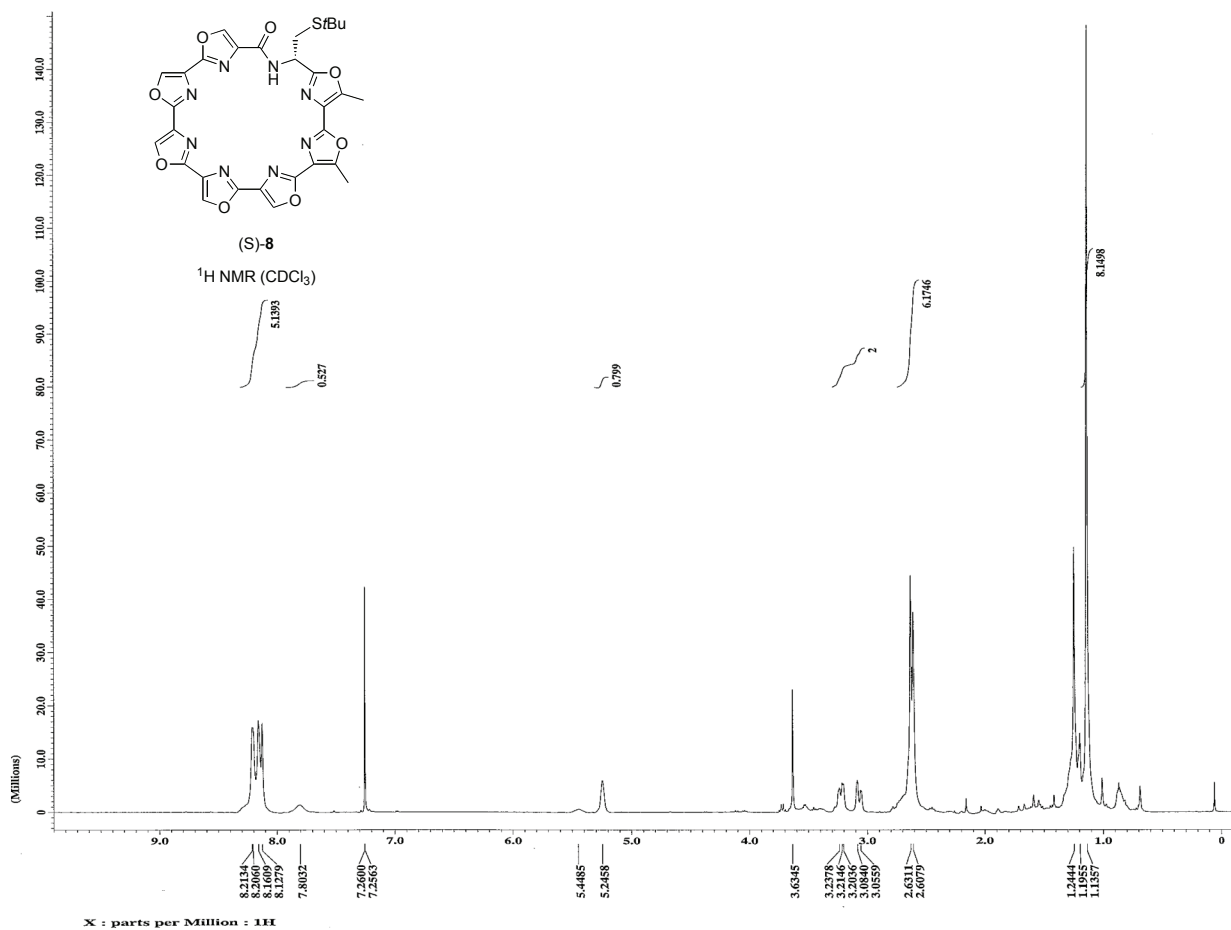
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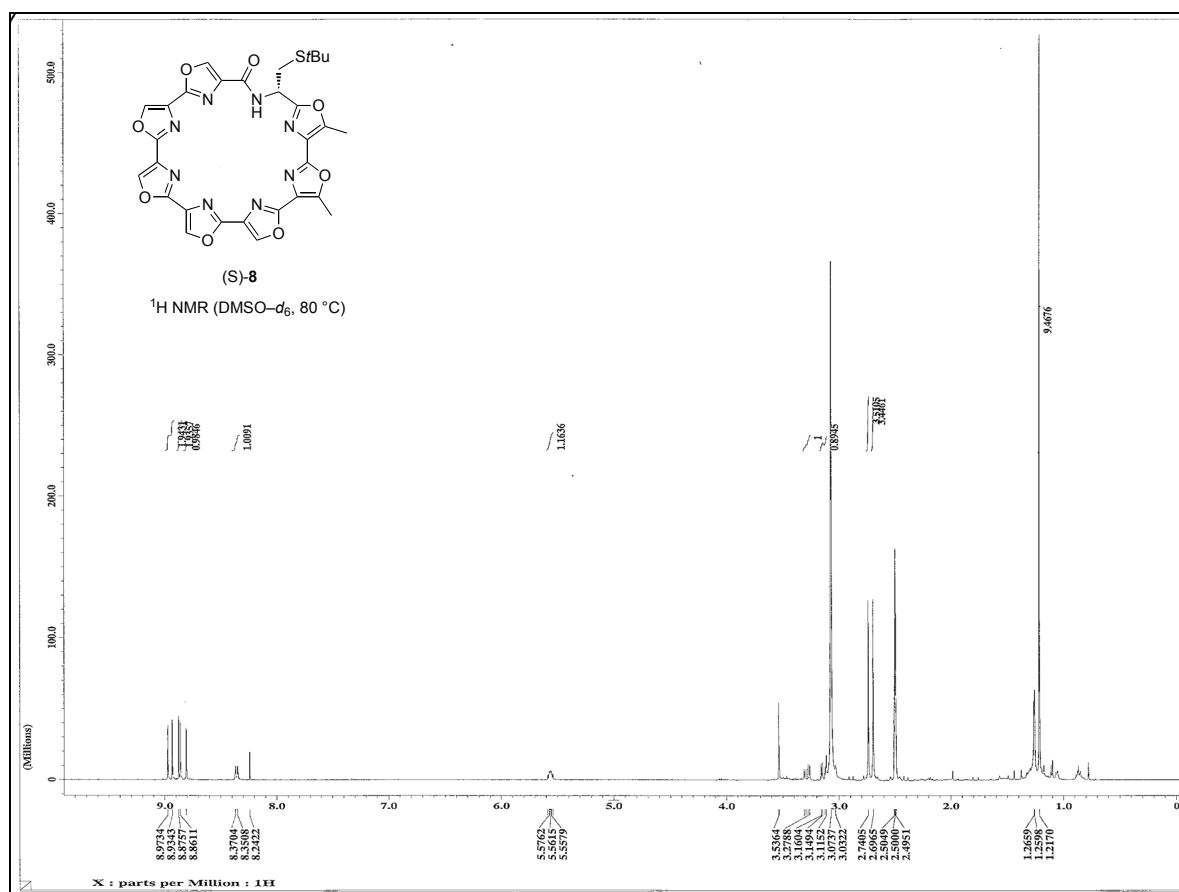
S2	¹ H and ¹³ C NMR spectra of (2<i>S</i>,14<i>S</i>)– 7
S3	¹ H and ¹³ C NMR spectra of (2<i>S</i>,14<i>S</i>)– 6
S4	¹ H and ¹³ C NMR spectra of (2<i>S</i>,14<i>R</i>)– 5
S5	¹ H and ¹³ C NMR spectra of (<i>S</i>)– 8 in CDCl ₃
S6	¹ H and ¹ H– ¹ H COSY spectra of (<i>S</i>)– 8 in DMSO- <i>d</i> ₆
S7	¹ H spectra of (<i>S</i>)– 1



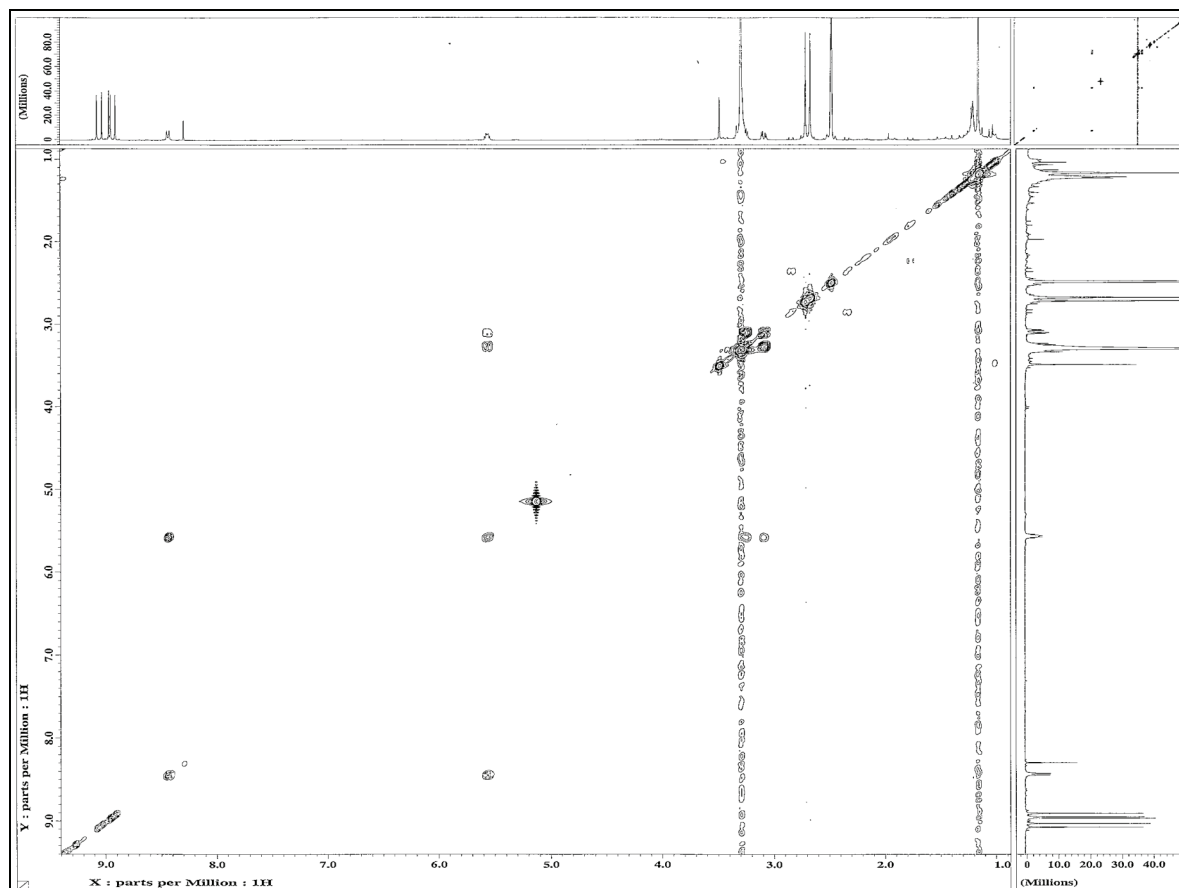








^1H - ^1H COSY of (S)-8 (DMSO- d_6 , 25 °C)

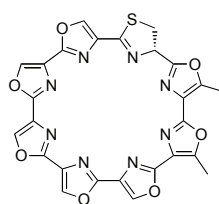


Archive directory: /home/flow/vnmrsys/data
File: PROTON

Pulse Sequence: lcid

Solvent: d2o
Temp. 40.0 C / 313.1 K
Operator: flow
VNMRS-500 "vnmrs500.jp.varianinc.com"

Relax. delay 1.537 sec
Pulse 90.0 degrees
Acq. time 1.363 sec
Width 12019.2 Hz
256 repetitions
OBSERVE H1, 499.8218326 MHz
DATA PROCESSING
Line broadening 1.0 Hz
Gauss apodization 0.667 sec
FT size 32768
Total time 51 min, 34 sec



¹H NMR (CD₃CN:D₂O = 1:1)

