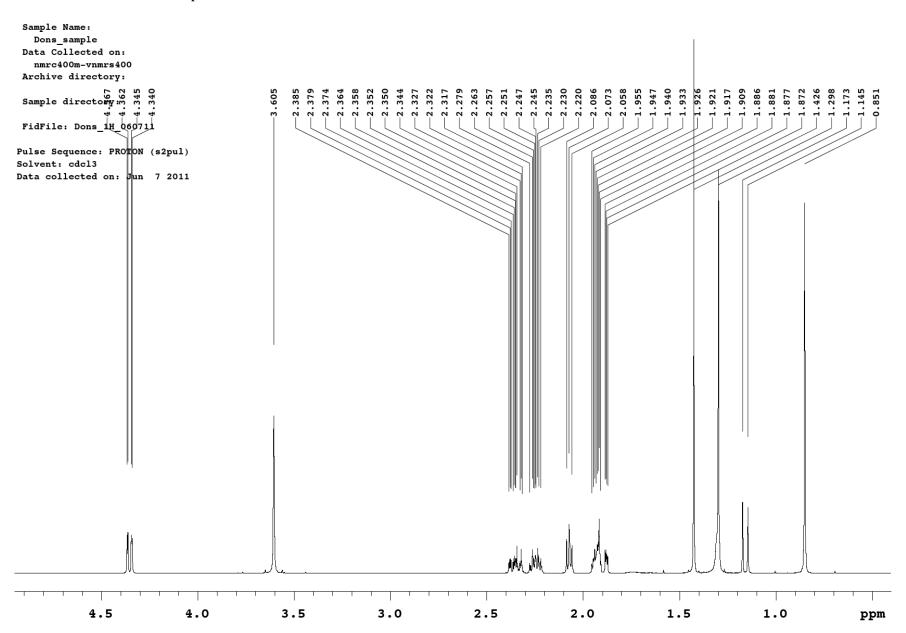
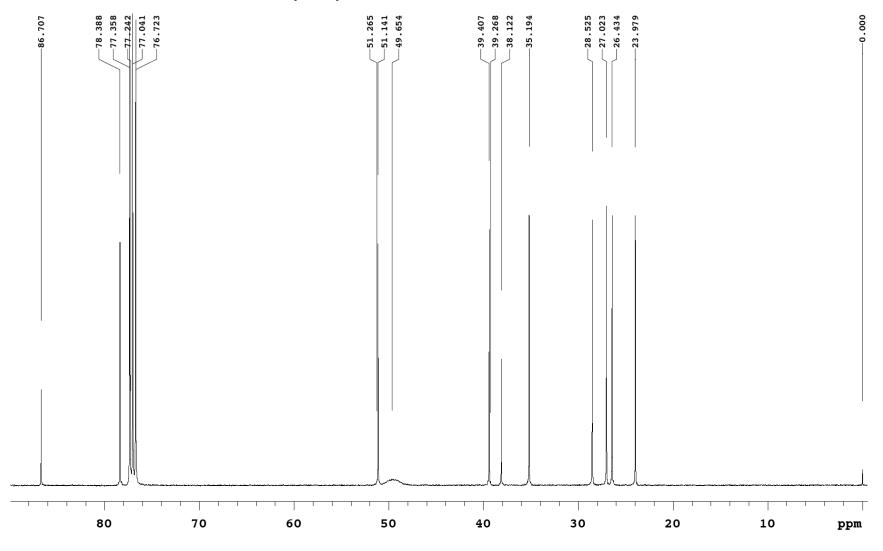
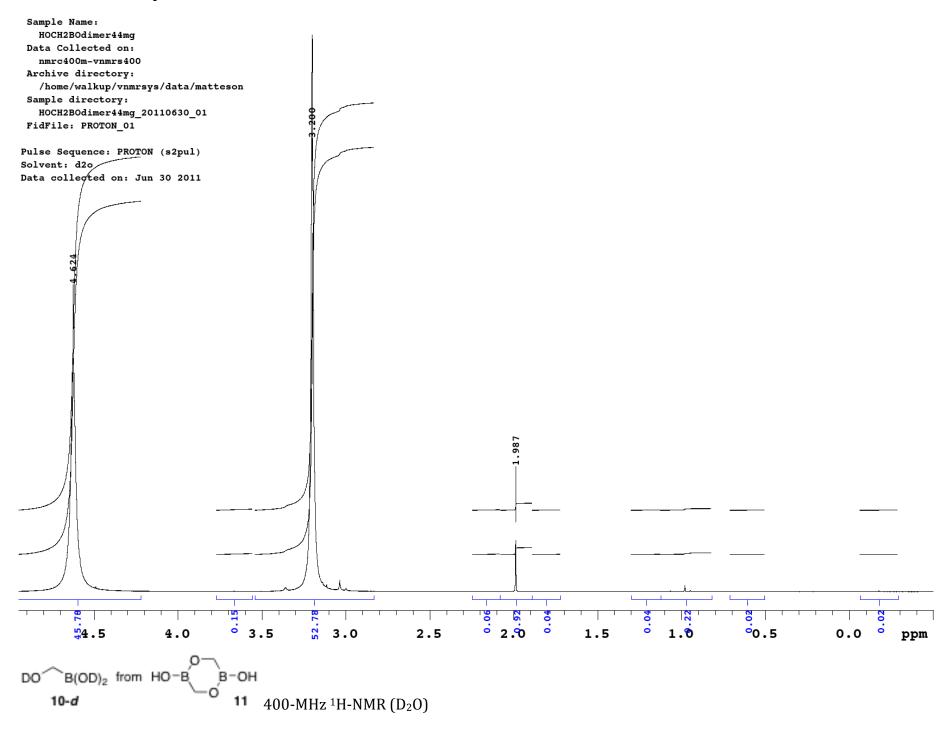
Accessory Publication: Donald S. Matteson, Preparation and Properties of (Hydroxymethyl)boronic Acid and its Pinanediol Ester Selected ¹H and ¹³C NMR spectra



12: 400-MHz ¹H-NMR (CDCl₃)





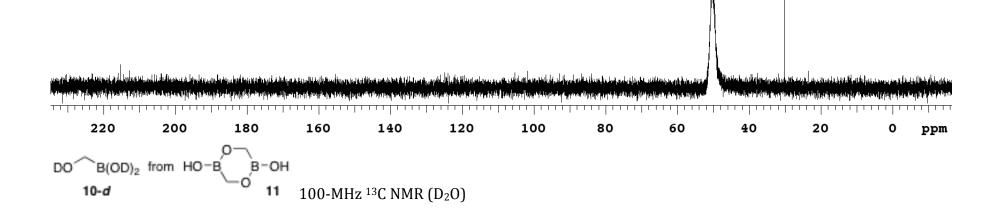
HOCH2BOdimer44mg

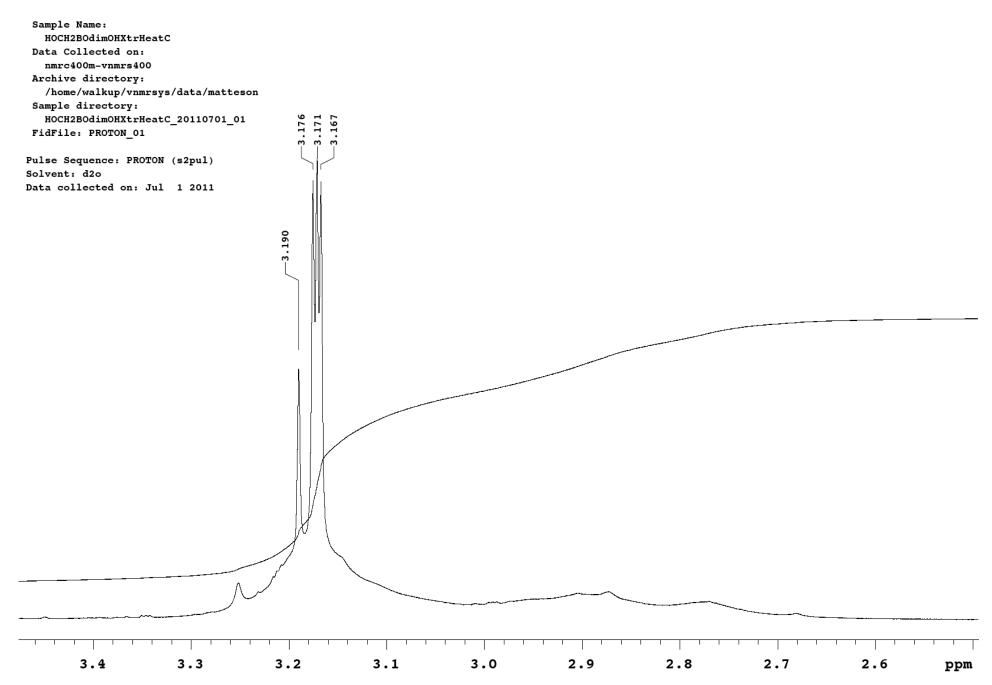
Sample Name:
 HOCH2BOdimer44mg
Data Collected on:
 nmrc400m-vnmrs400
Archive directory:
 /home/walkup/vnmrsys/data/matteson
Sample directory:
 HOCH2BOdimer44mg_20110630_01
FidFile: CARBON 01

Pulse Sequence: CARBON (s2pul) Solvent: d2o Data collected on: Jun 30 2011

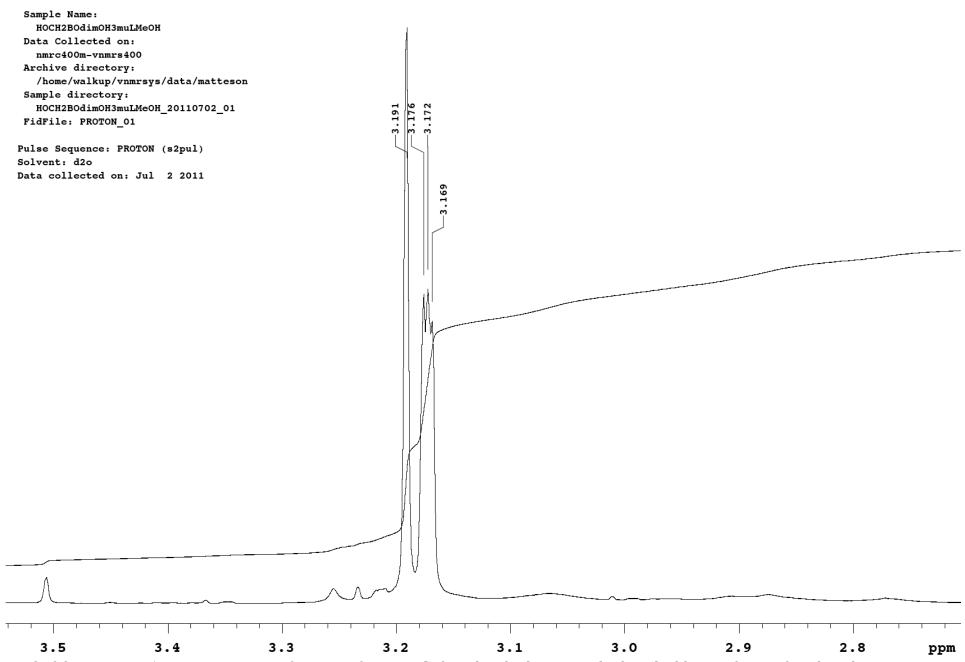
Temp. 22.0 C / 295.1 K Operator: matteson

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.285 sec
Width 25510.2 Hz
2048 repetitions
OBSERVE C13, 100.5163269 MHz
DECOUPLE H1, 399.7484569 MHz
Power 36 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 1 hr, 17 min

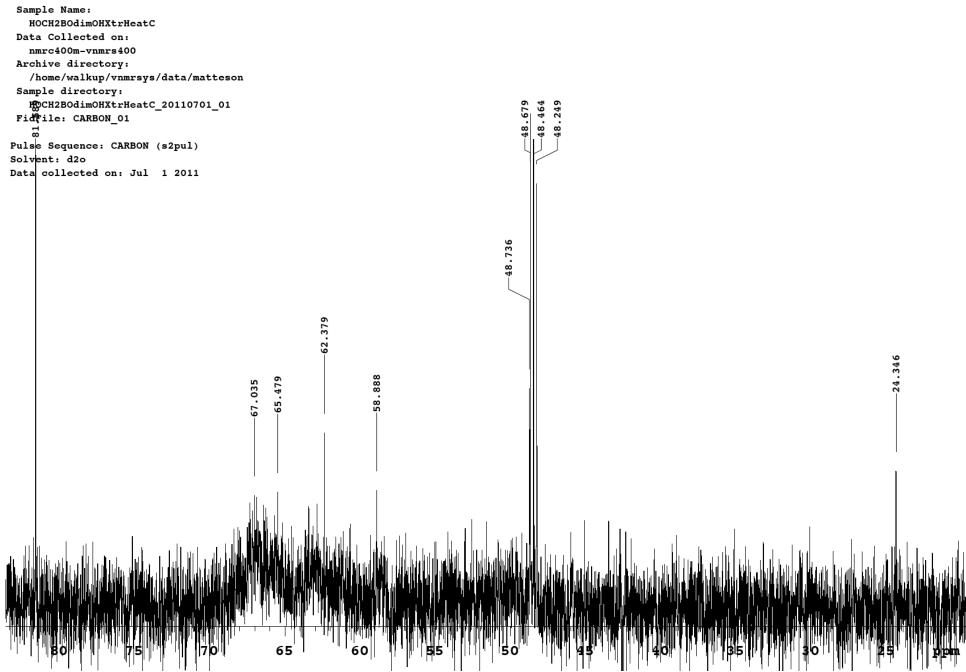




Detail of the 400-MHz ¹H-NMR spectrum of DCH₂OD from **10-***d* after 4h in boiling water bath (no added methanol)



Detail of the 400-MHz 1 H-NMR spectrum of DCH $_2$ OD from **10-**d after 6h in boiling water bath and addition of 3 μ L of methanol



100-MHz ¹³C-NMR spectrum of **10-d** and derived DCH₂OD after 4h in boiling water bath (no added methanol)

Sample Name:
 HOCH2BOdimOH6h

Data Collected on:
 nmrc400m-vnmrs400

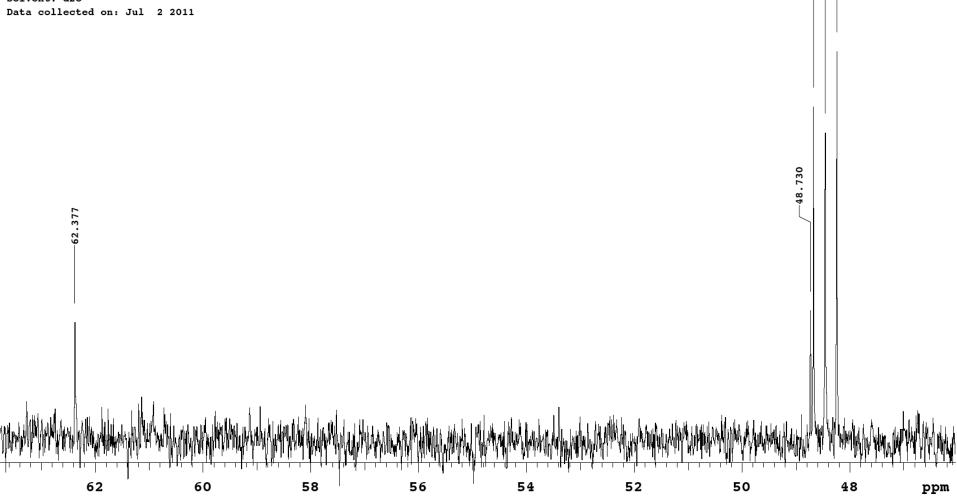
Archive directory:
 /home/walkup/vnmrsys/data/matteson

Sample directory:
 HOCH2BOdimOH6h_20110702_01

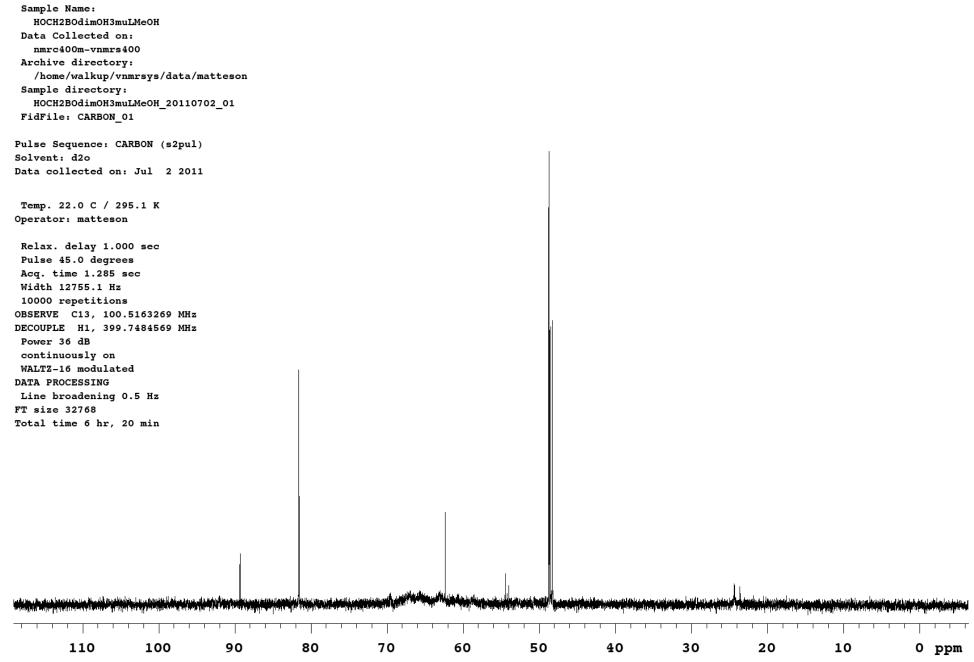
FidFile: CARBON_01

Pulse Sequence: CARBON (s2pul)

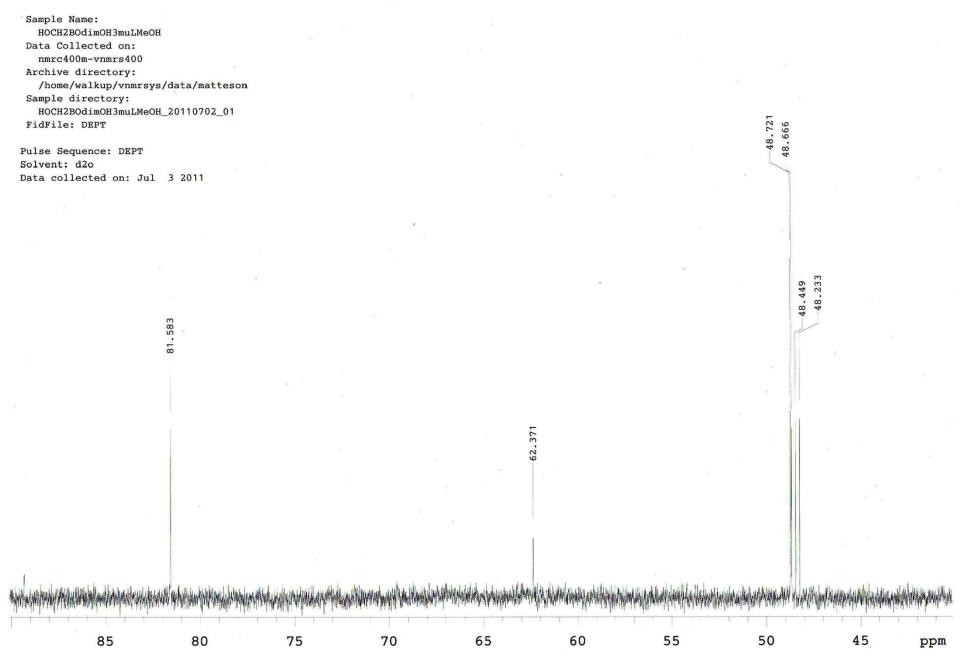
Solvent: d2o



Detail of the 100-MHz ¹³C-NMR spectrum of DCH₂OD from **10-***d* after 6h in boiling water bath (no added methanol)



100-MHz 13 C-NMR spectrum of **10-d** and derived DCH₂OD after 6h in boiling water bath and addition of 3 μ L of methanol



Expanded image of 100-MHz 13 C-NMR spectrum of **10-d** and derived DCH₂OD after 6h in boiling water bath and addition of 3 μ L of methanol