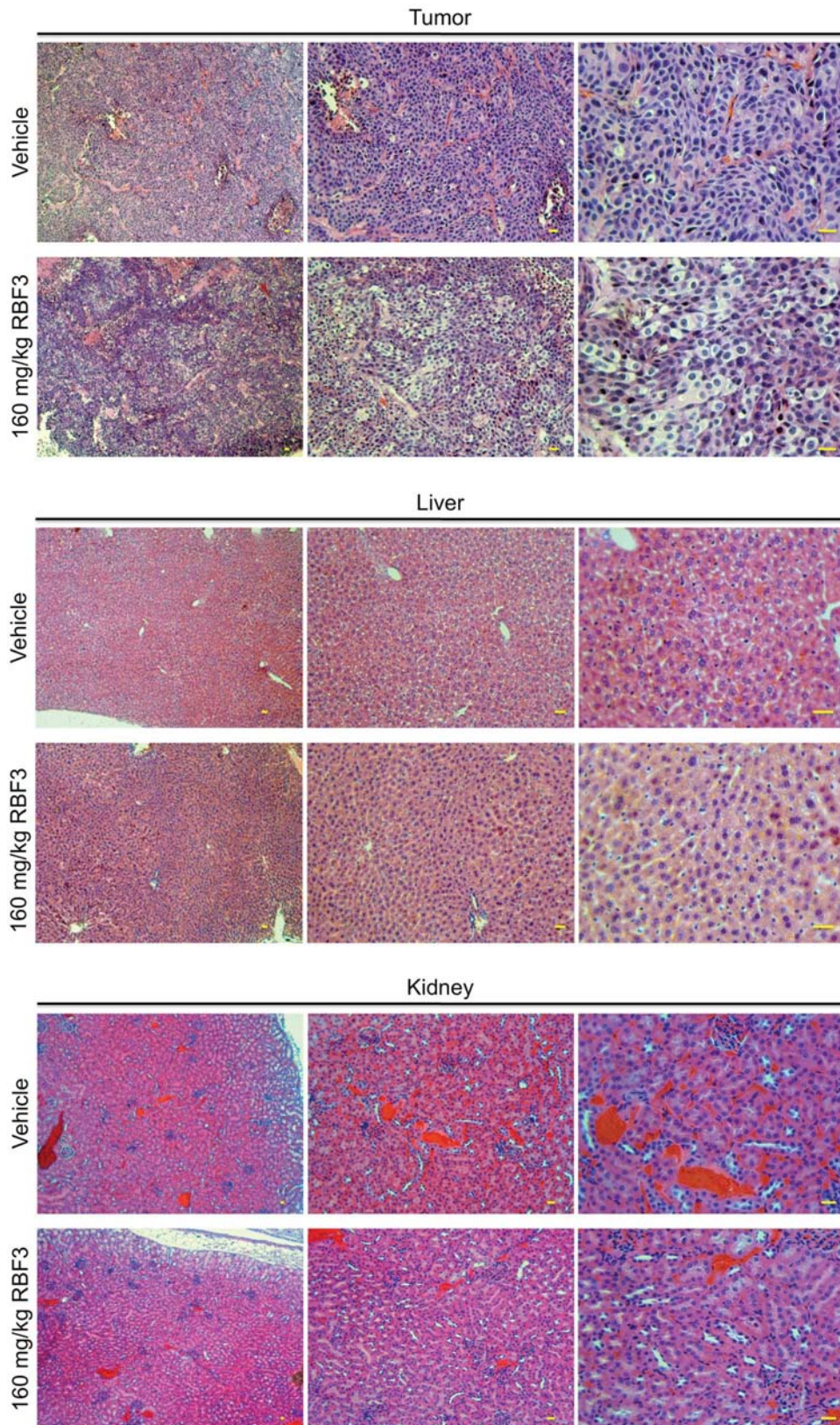
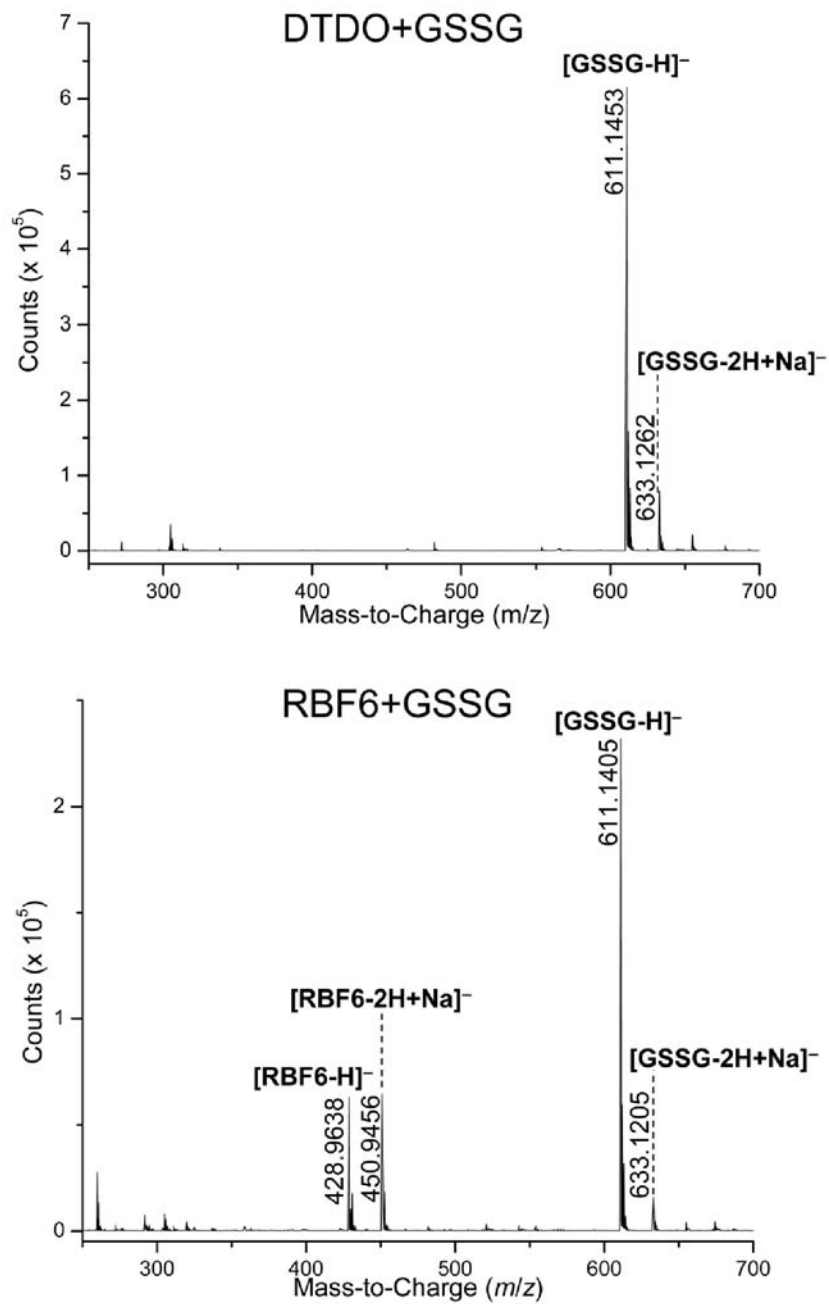


SUPPLEMENTARY FIGURES



Supplementary Figure S1: RBF3 (160 mg/kg) induces a high frequency of cancer cell death without evidence of liver or kidney toxicity (Scale Bars = 20 μ m).

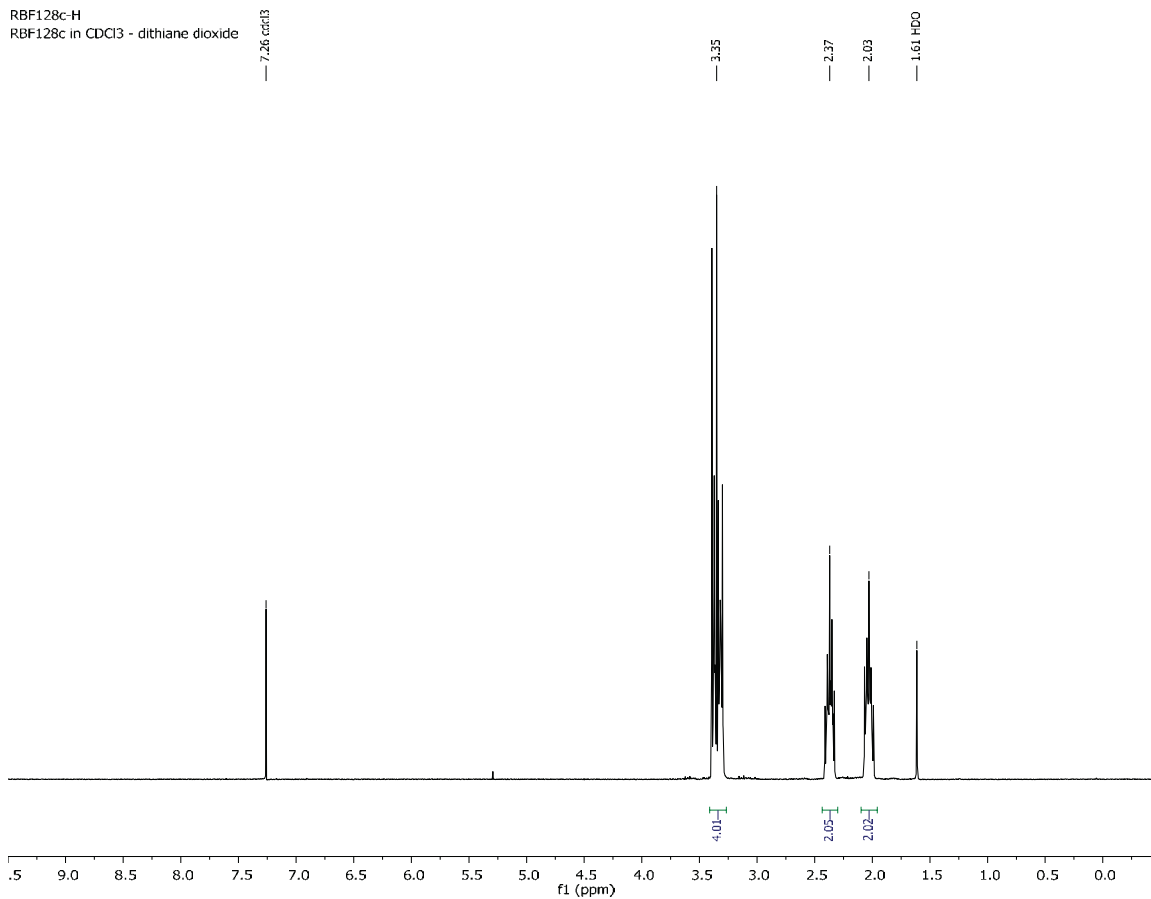


Supplementary Figure S2: Mass spectra of reactions carried out between 10 mM DTDO or 10 mM RBF6 with 10 mM oxidized glutathione (GSSG) for 24 hours at 37°C, pH 7.0.

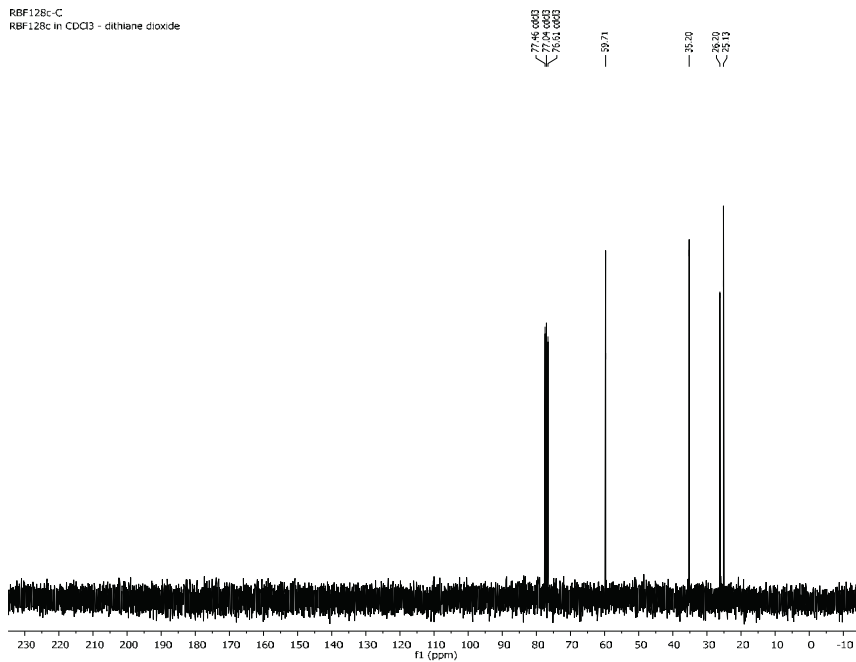
Supplementary Figure S3: NMR spectra of the synthesized compounds.

DTDO

RBF128c-H
RBF128c in CDCl₃ - dithiane dioxide



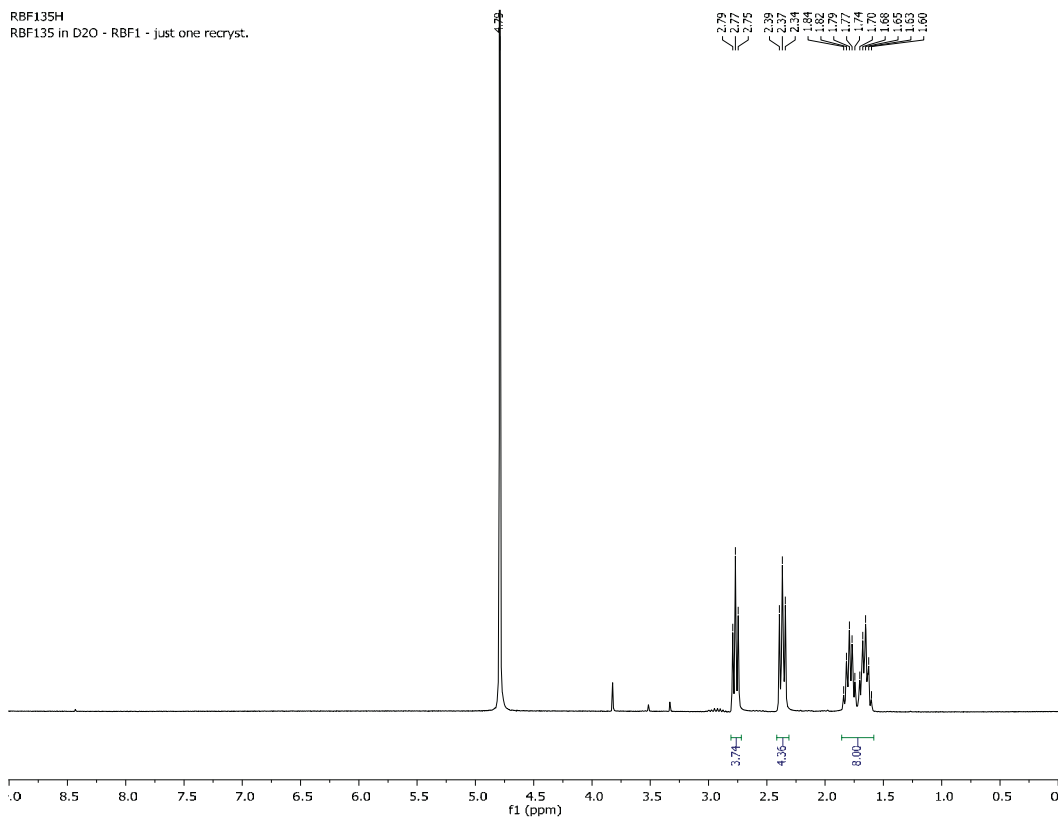
RBF128c-C
RBF128c in CDCl₃ - dithiane dioxide



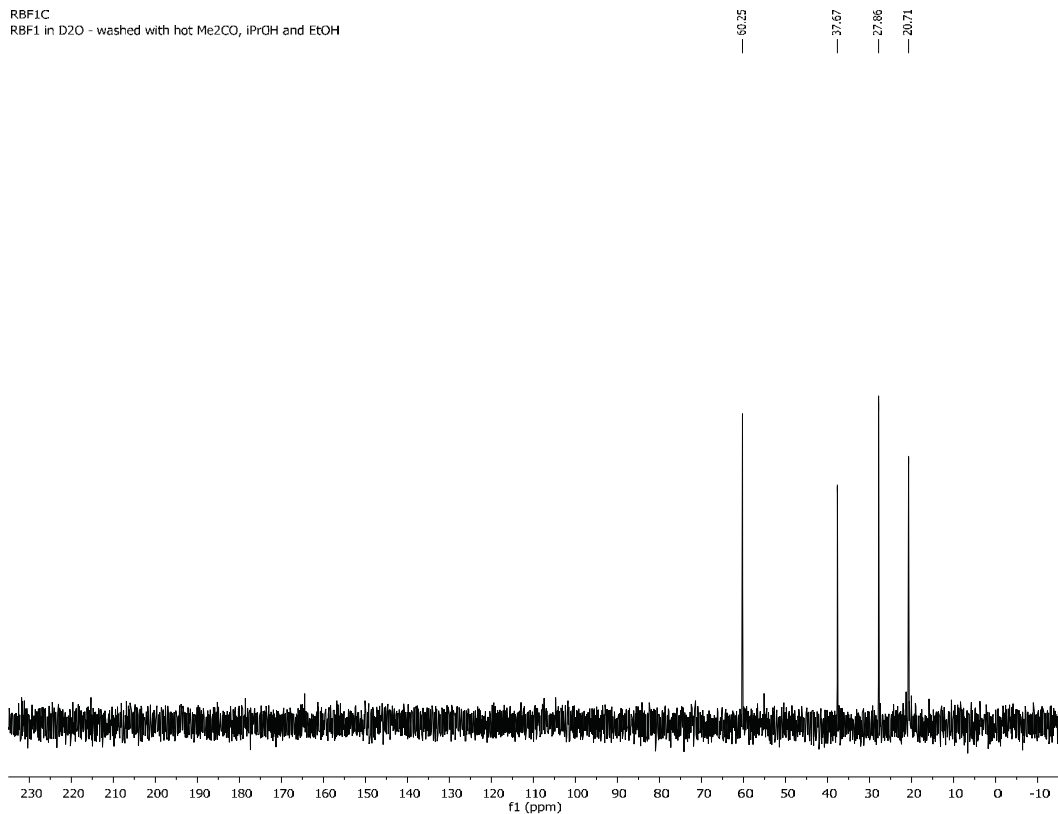
(Continued)

RBF1

RBF135H
RBF135 in D2O - RBF1 - just one recryst.



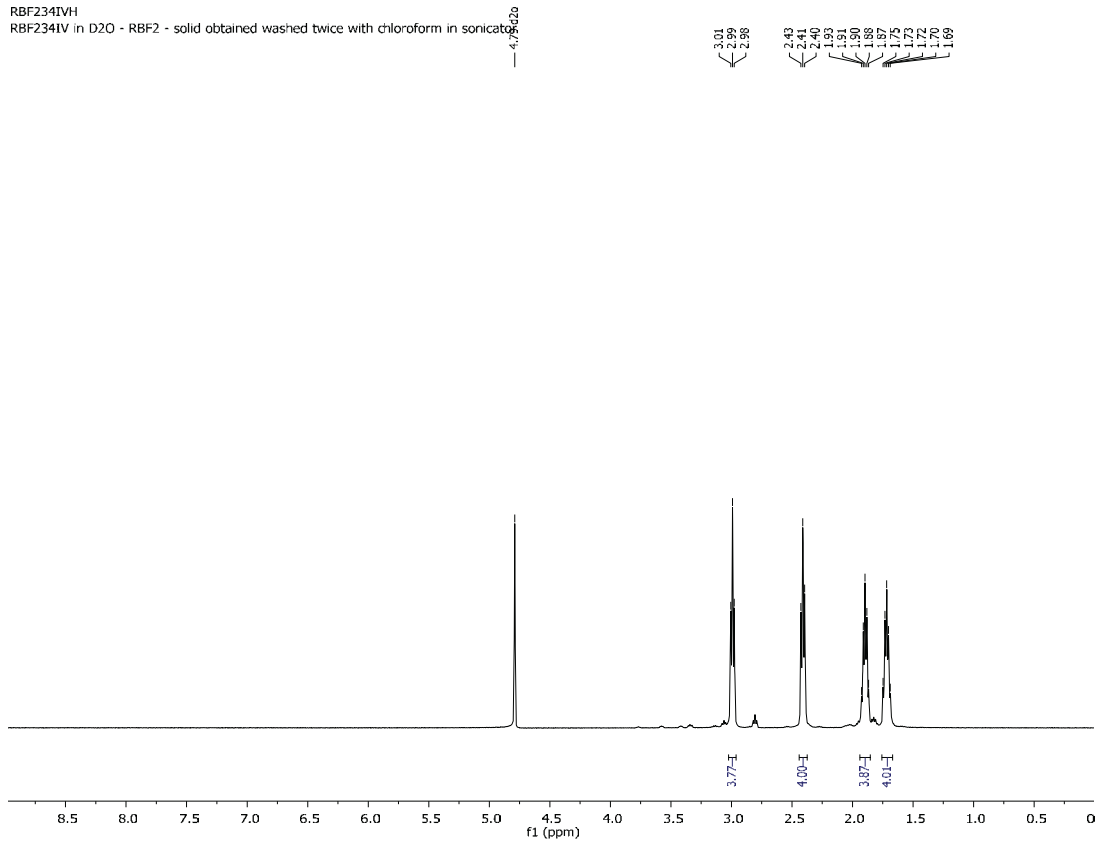
RBF1C
RBF1 in D2O - washed with hot Me2CO, iPrOH and EtOH



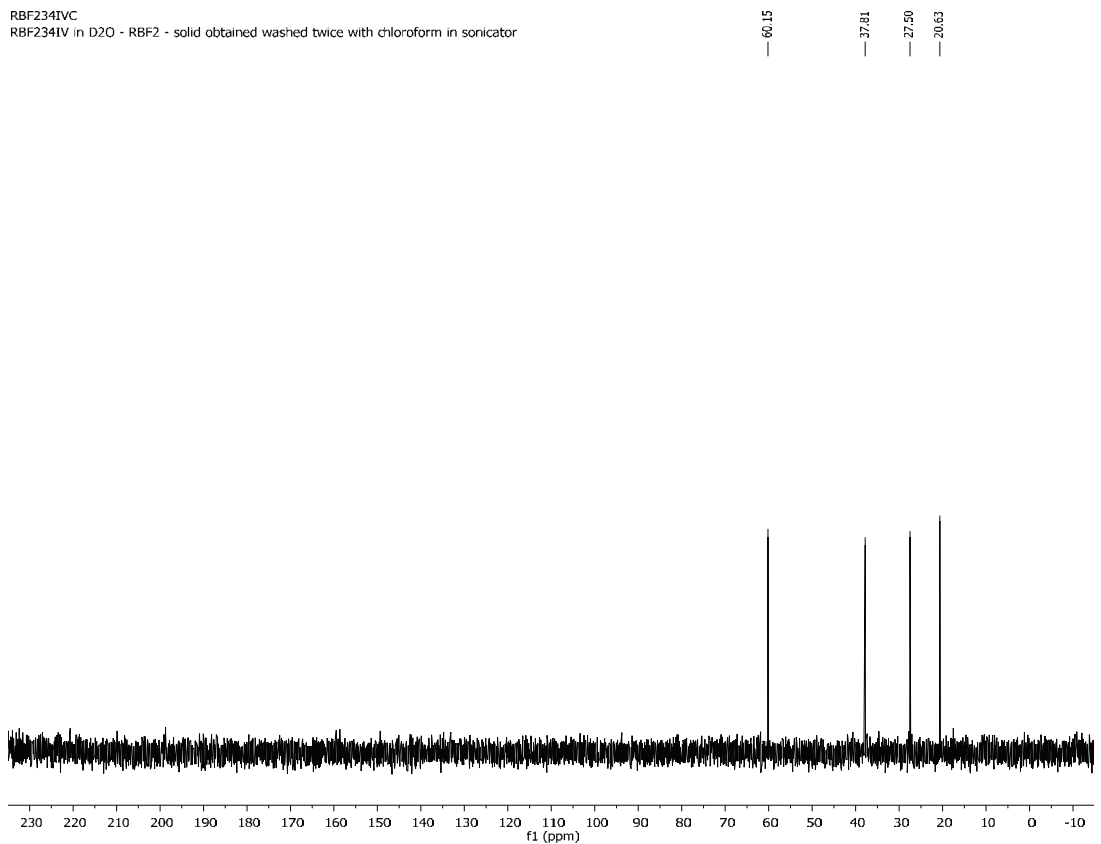
(Continued)

RBF2

RBF2341VH
RBF2341V in D2O - RBF2 - solid obtained washed twice with chloroform in sonicator



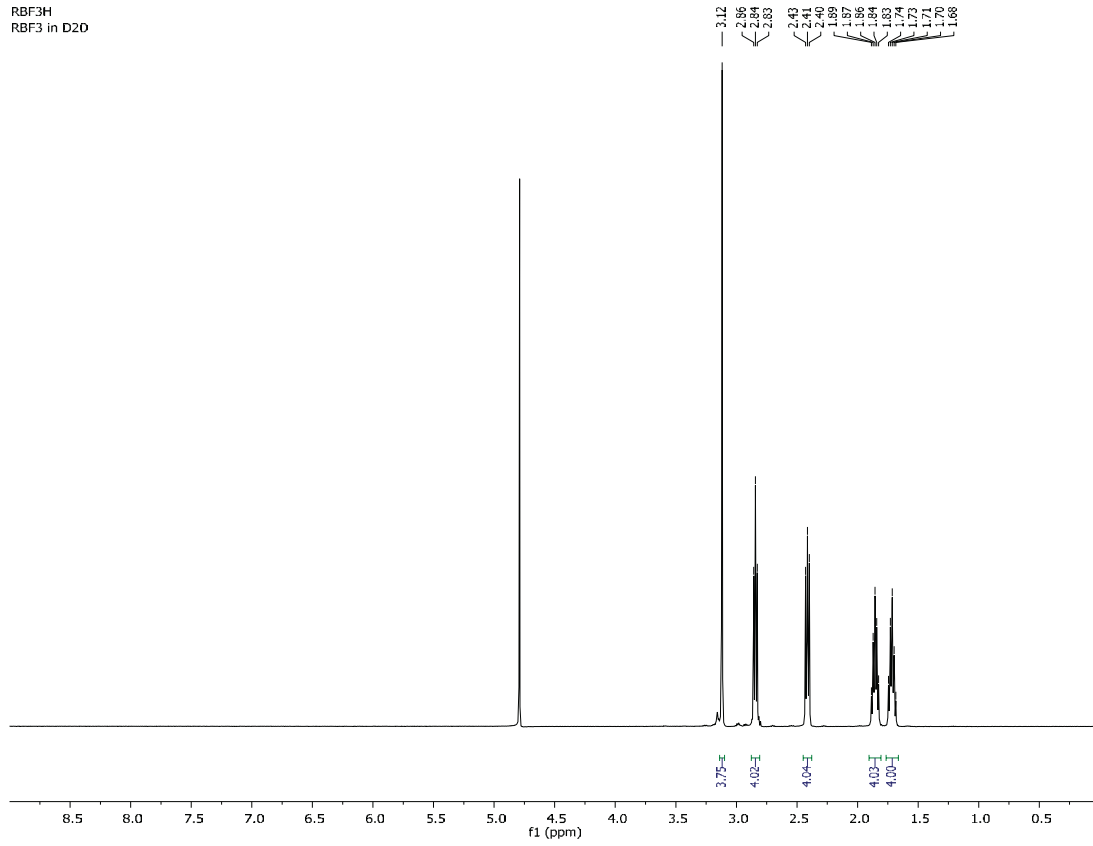
RBF2341VC
RBF2341V in D2O - RBF2 - solid obtained washed twice with chloroform in sonicator



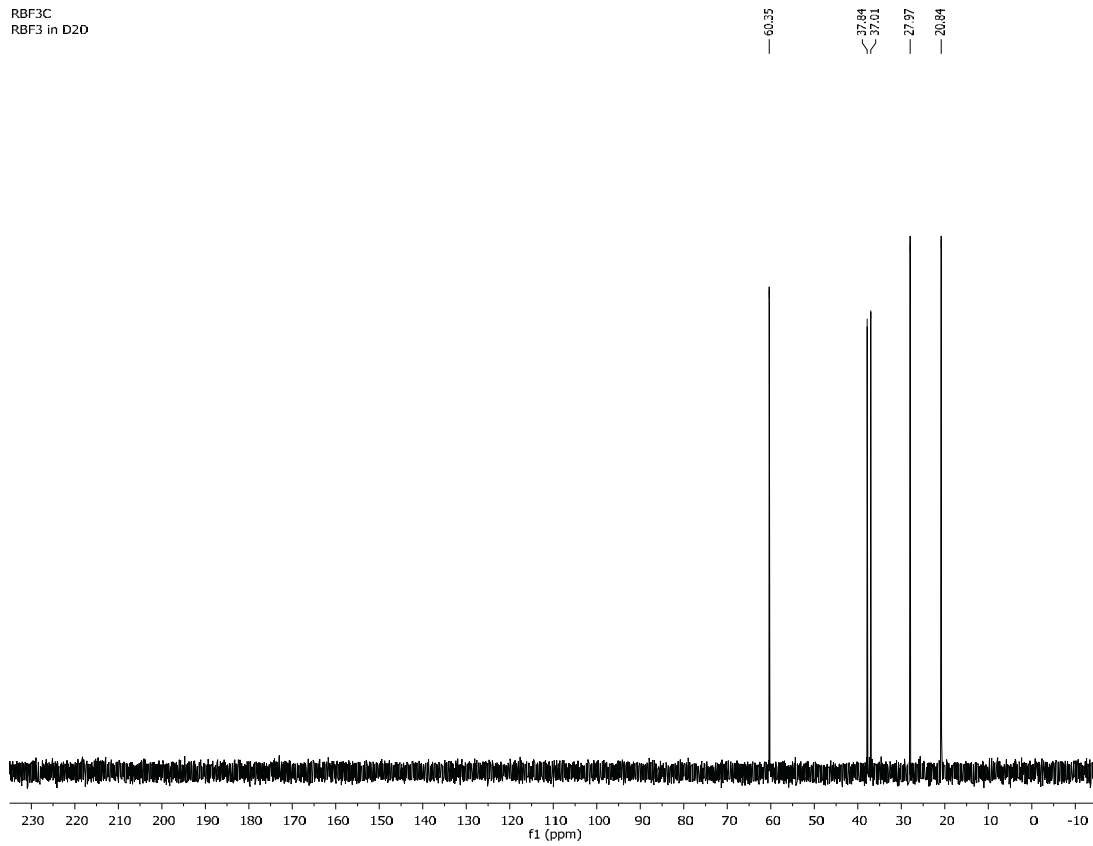
(Continued)

RBF3

RBF3H
RBF3 in D2O



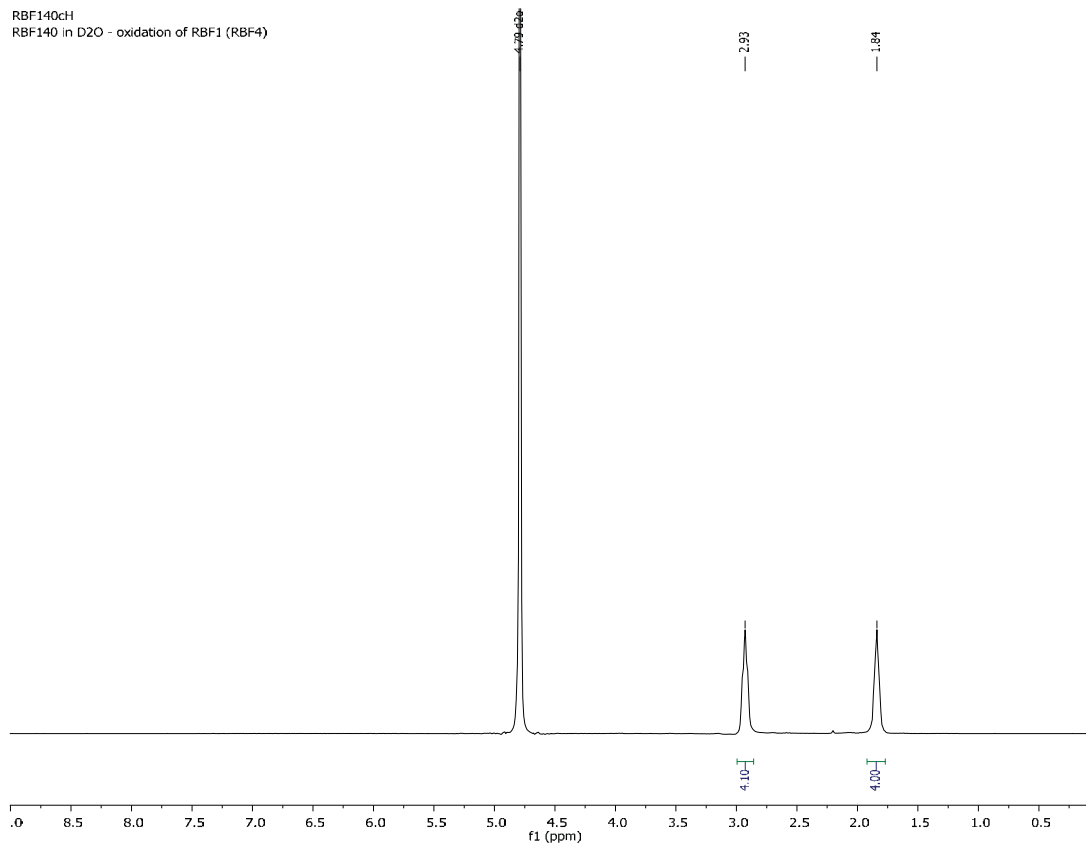
RBF3C
RBF3 in D2O



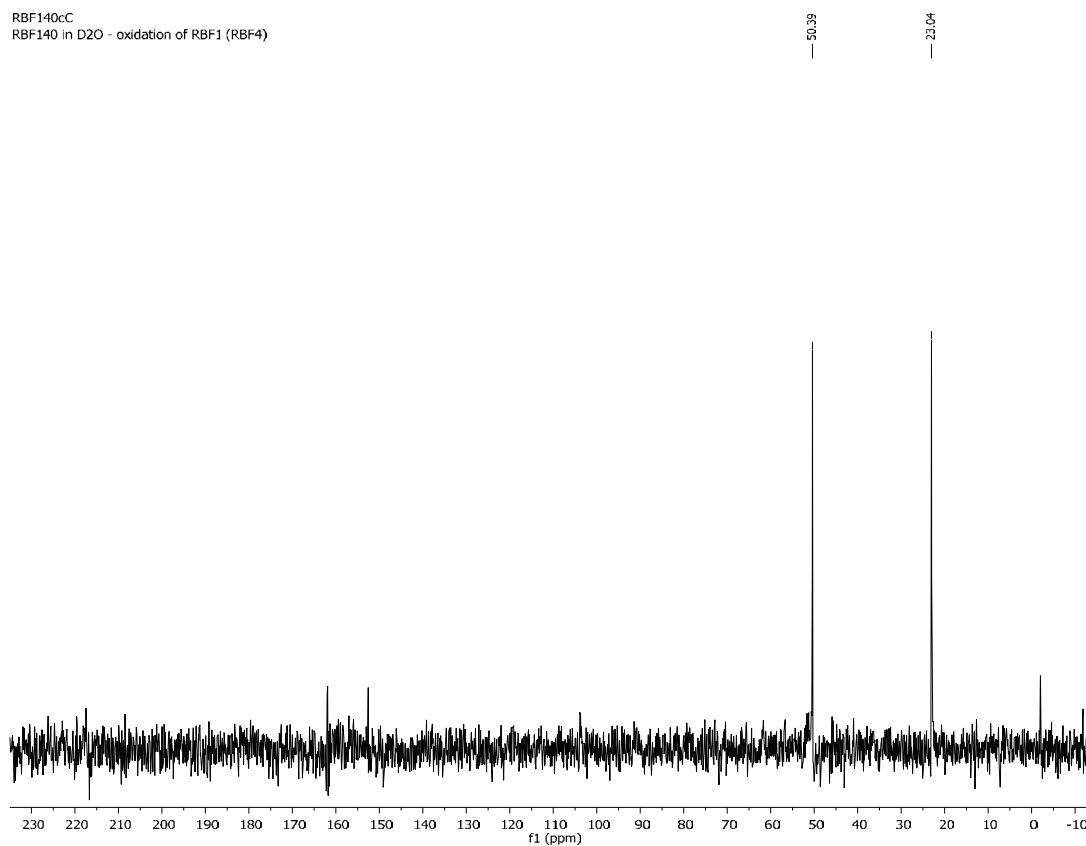
(Continued)

Sodium butane-1,4-disulfinate

RBF140cH
RBF140 in D2O - oxidation of RBF1 (RBF4)



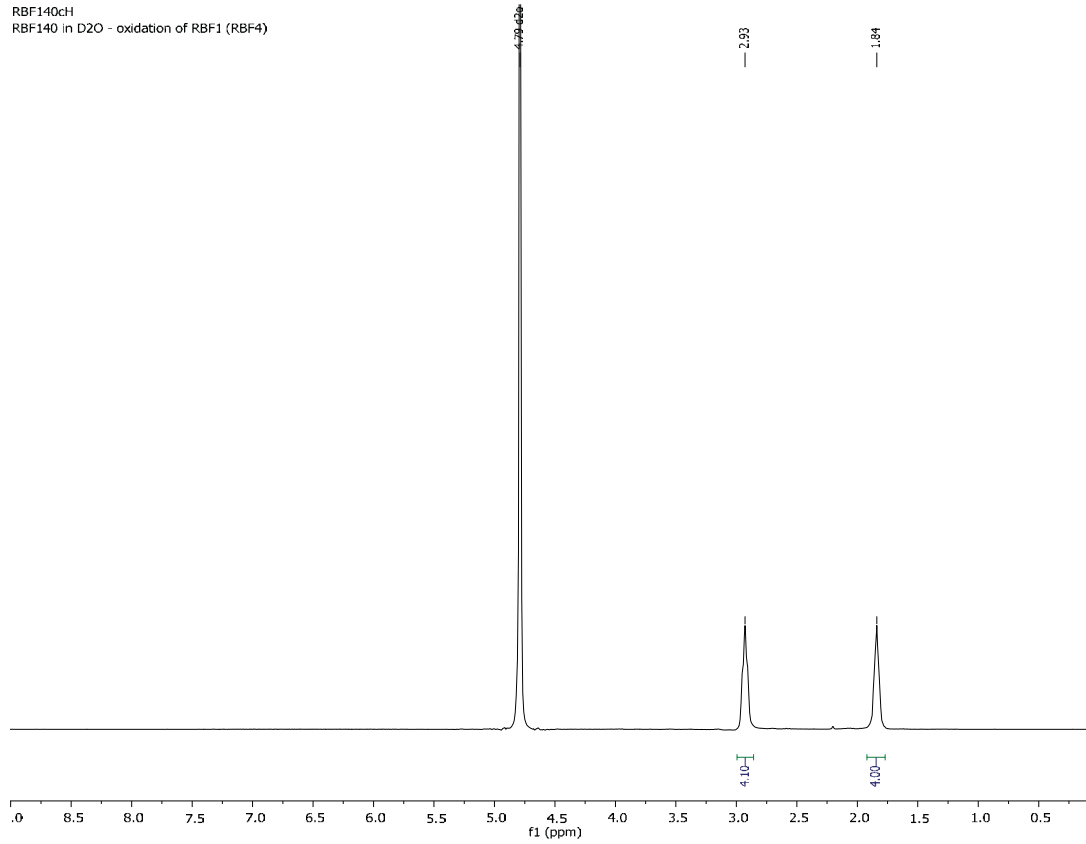
RBF140cC
RBF140 in D2O - oxidation of RBF1 (RBF4)



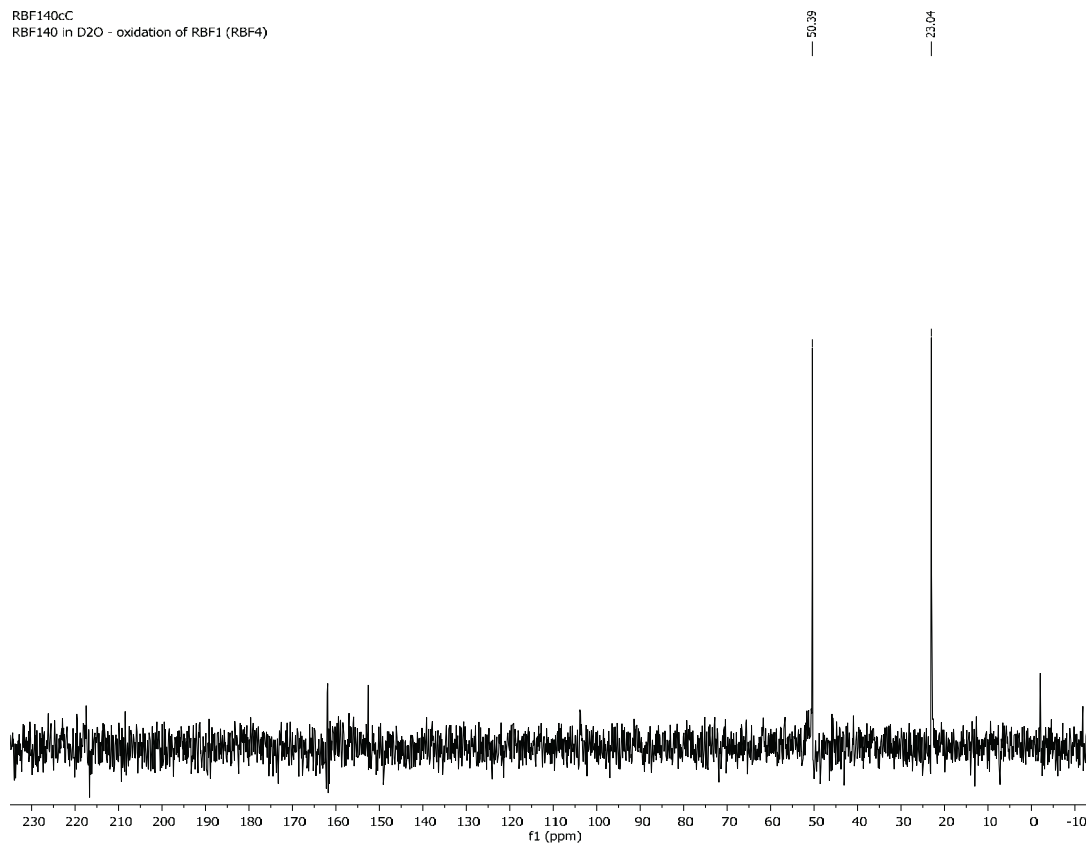
(Continued)

Sodium butane-1,4-disulfinate

RBF140cH
RBF140 in D2O - oxidation of RBF1 (RBF4)



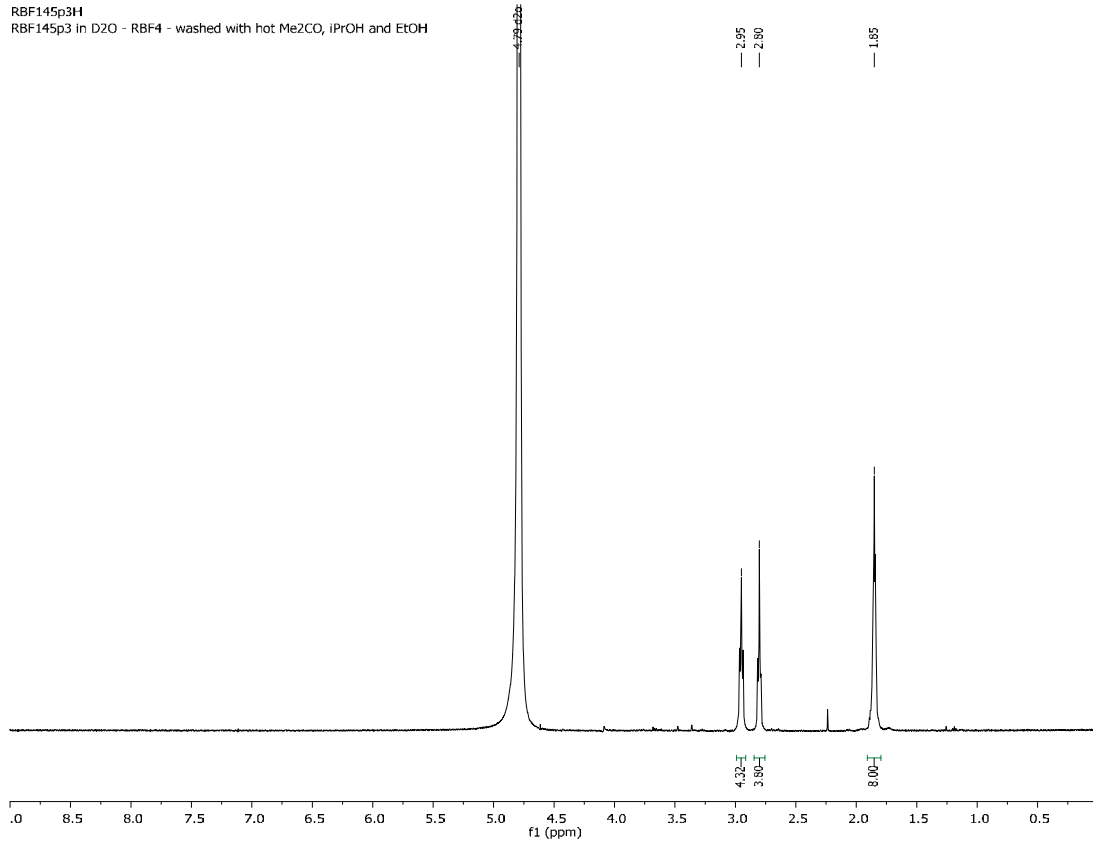
RBF140cC
RBF140 in D2O - oxidation of RBF1 (RBF4)



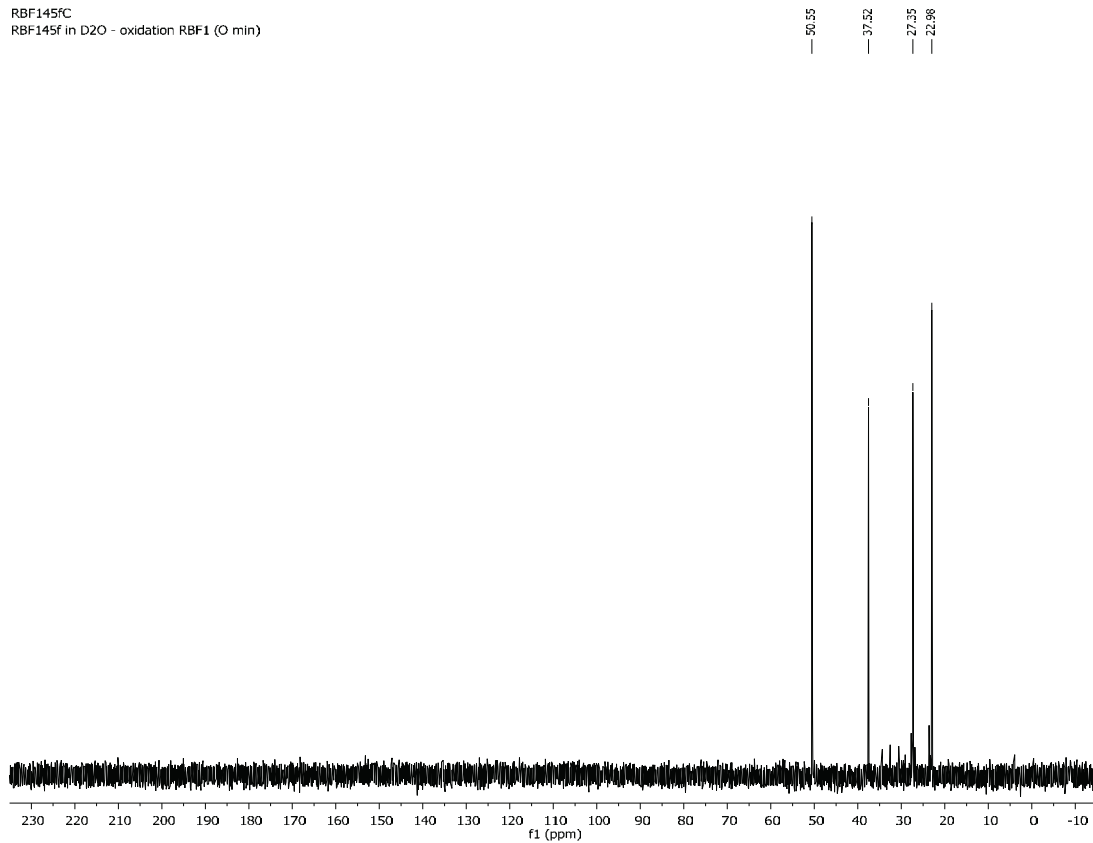
(Continued)

RBF4

RBF145p3H
RBF145p3 in D2O - RBF4 - washed with hot Me2CO, iPrOH and EtOH



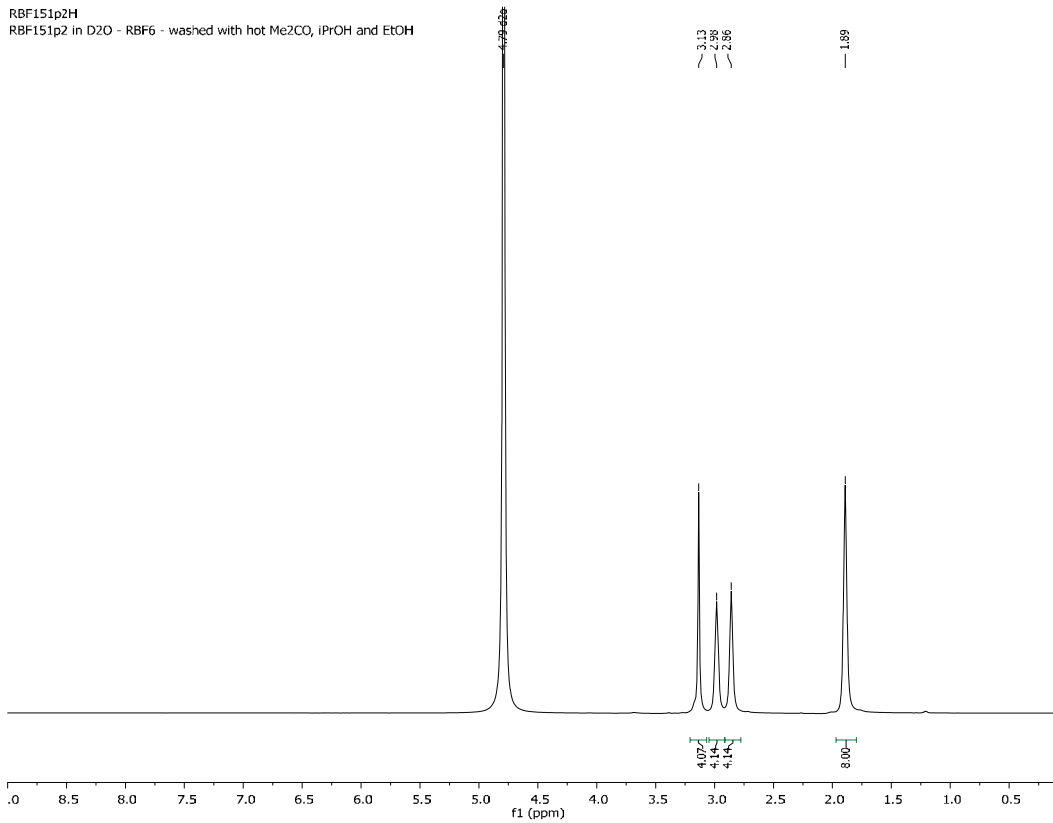
RBF145fC
RBF145f in D2O - oxidation RBF1 (0 min)



(Continued)

RBF6

RBF151p2H
RBF151p2 in D2O - RBF6 - washed with hot Me2CO, iPrOH and EtOH



RBF151p2C
RBF151p2 in D2O - RBF6 - washed with hot Me2CO, iPrOH and EtOH

