

Fig S1. Raman spectra comparison of phenylboronic acid (above), β -D-fructopyranoborate (FB-1) (middle), and β -D-arabinopyranoborate (AB-1) (below).

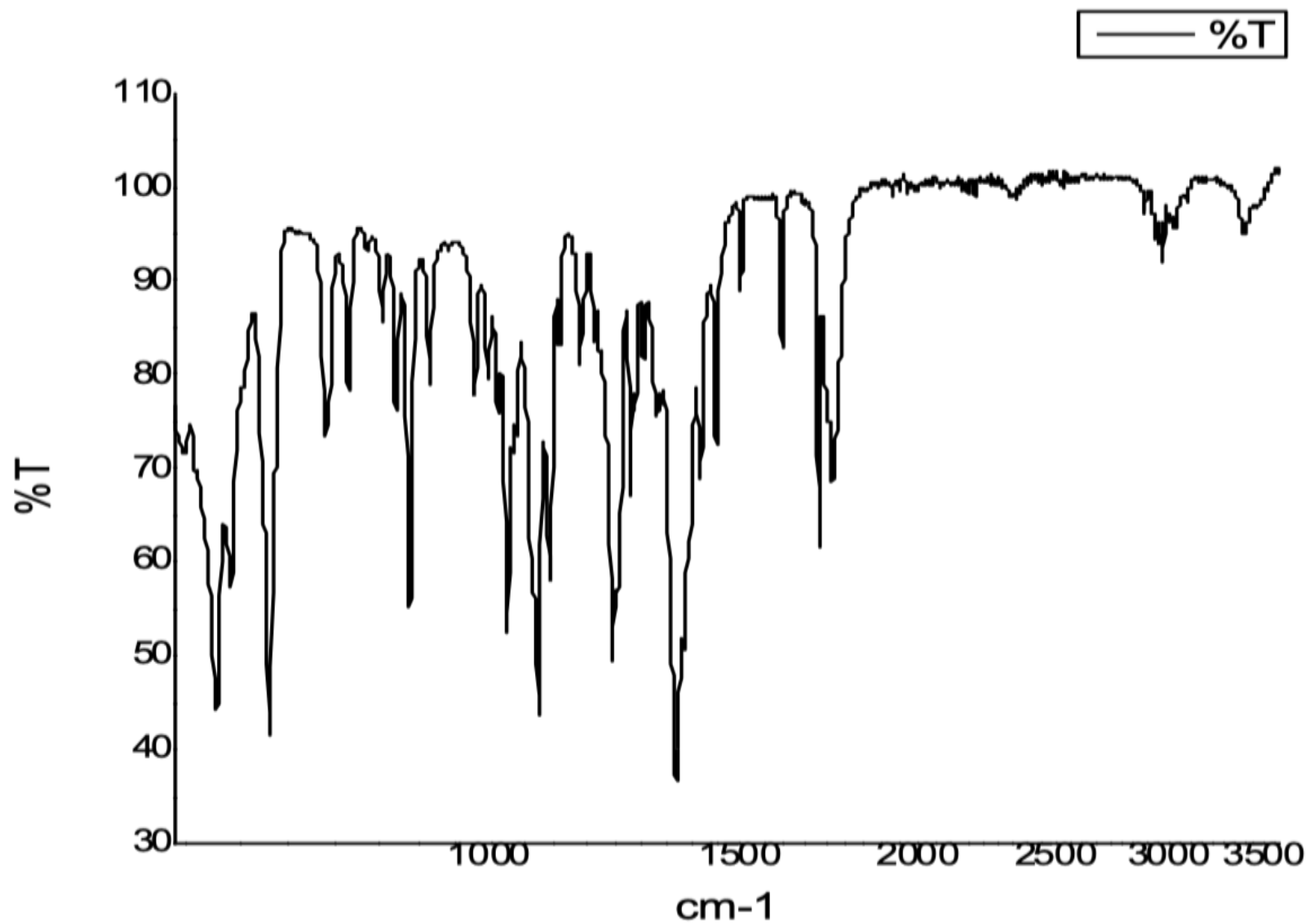


Fig S2. IR-FT spectrum of the β -D-fructopyranoborate (FB-1).

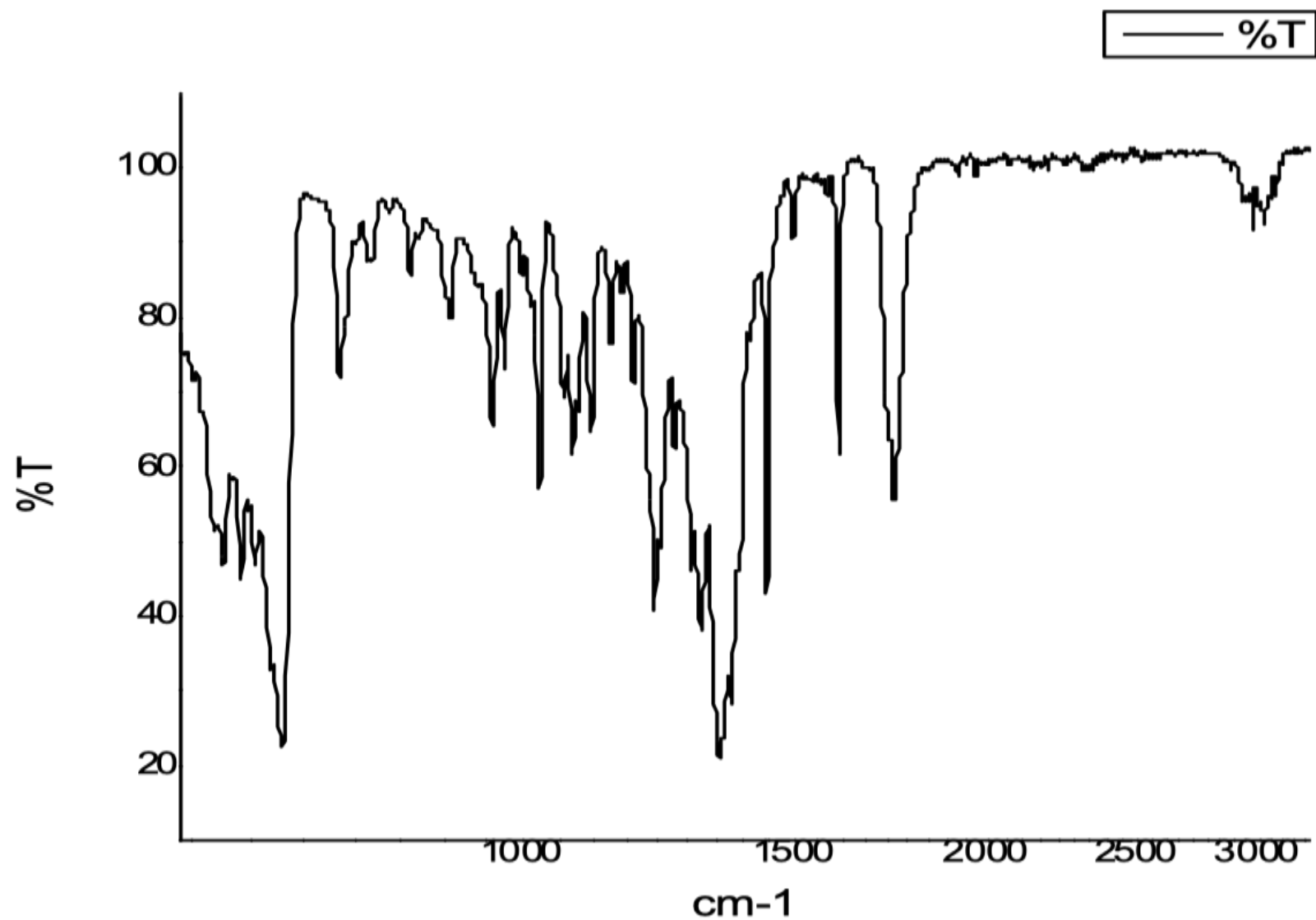


Fig S3. IR-FT spectrum of the β -D-arabinopyranoborate (AB-1).

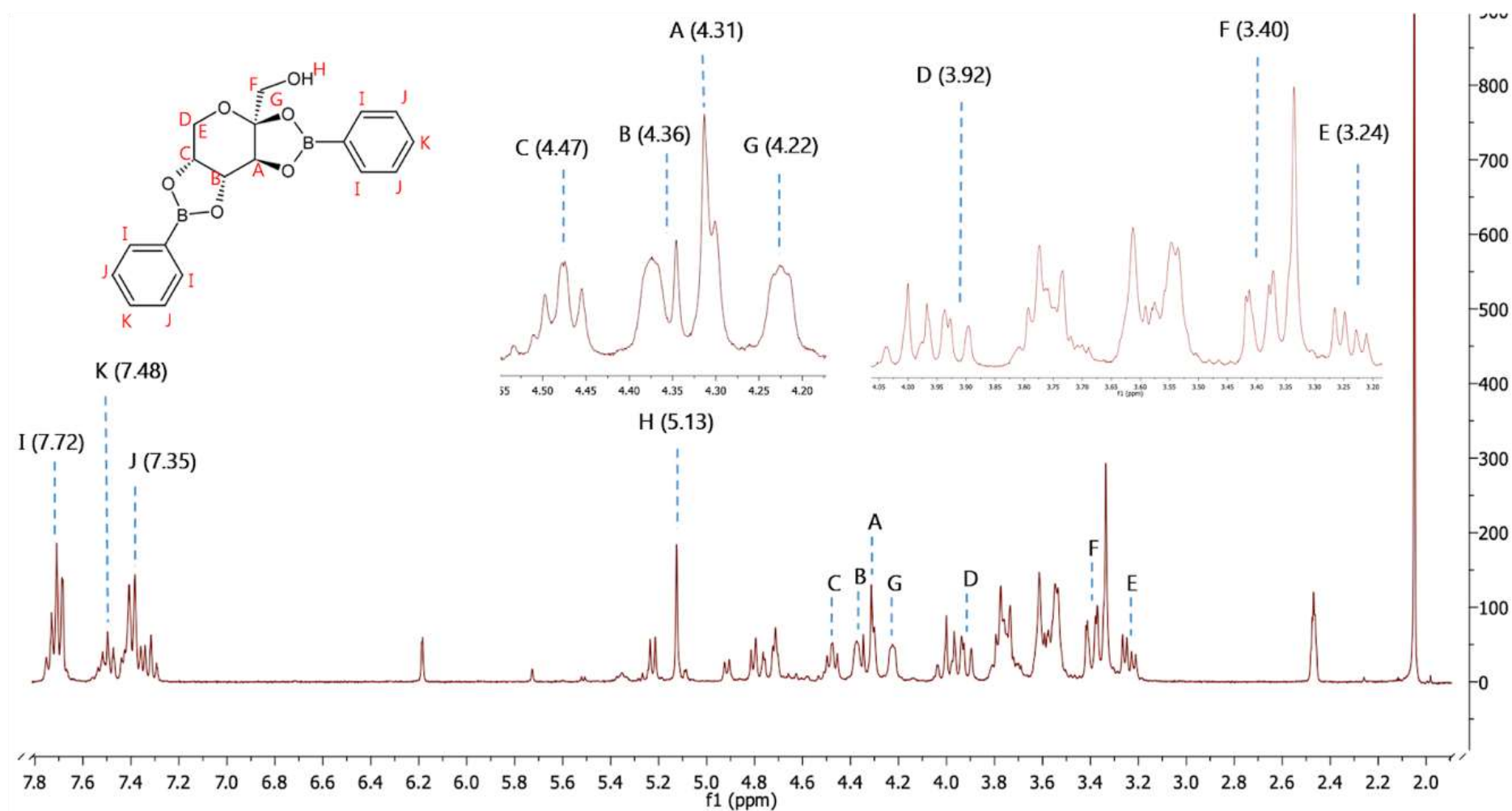


Fig S4. ^1H RMN ($\text{DMSO}-d_6$, 300 MHz) of the β -D-fructopyranoborate (FB-1).

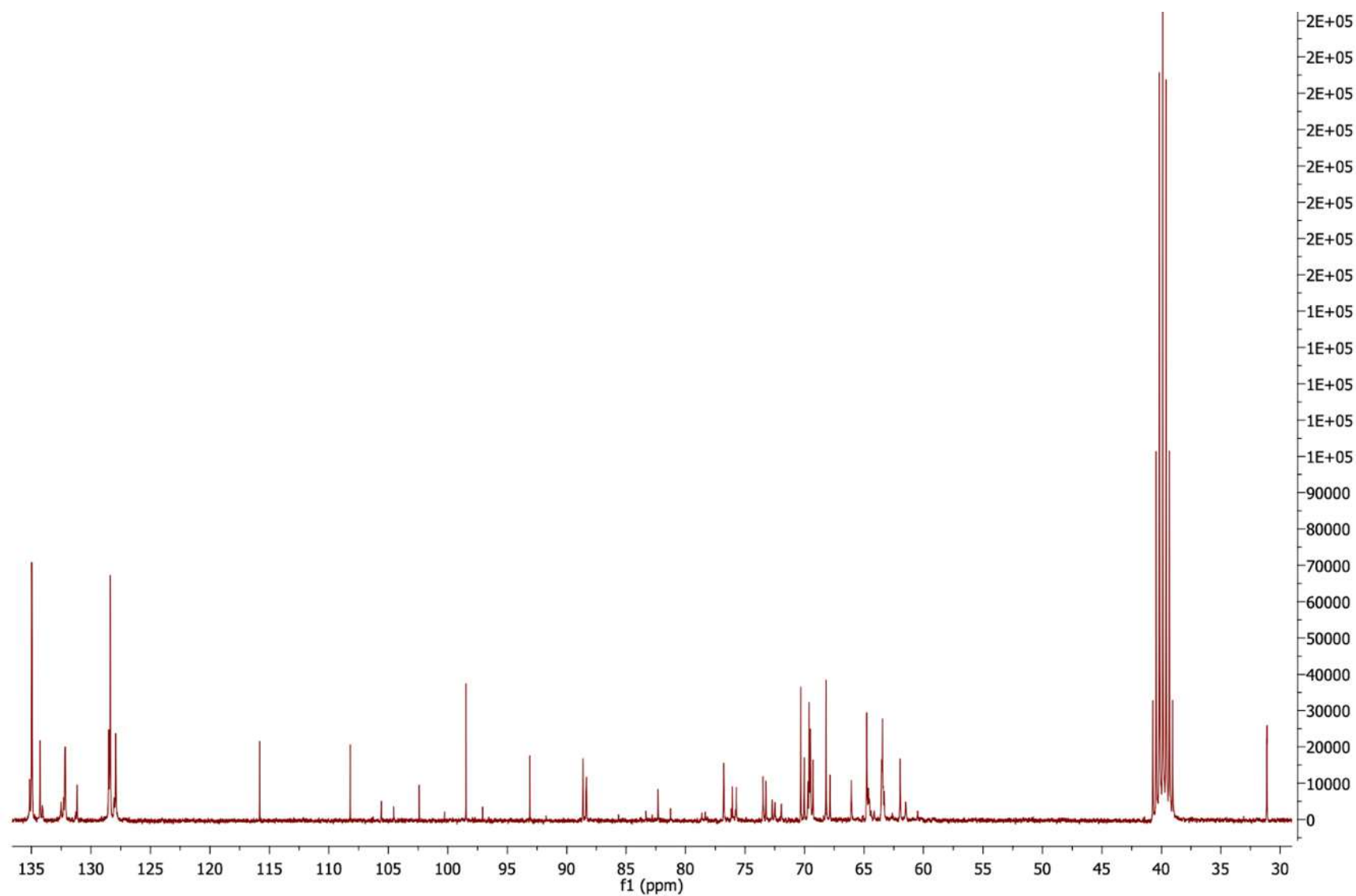


Fig S5. ^{13}C RMN ($\text{DMSO}-d_6$, 76.5 MHz) of the β -D-fructopyranoborate (FB-1).

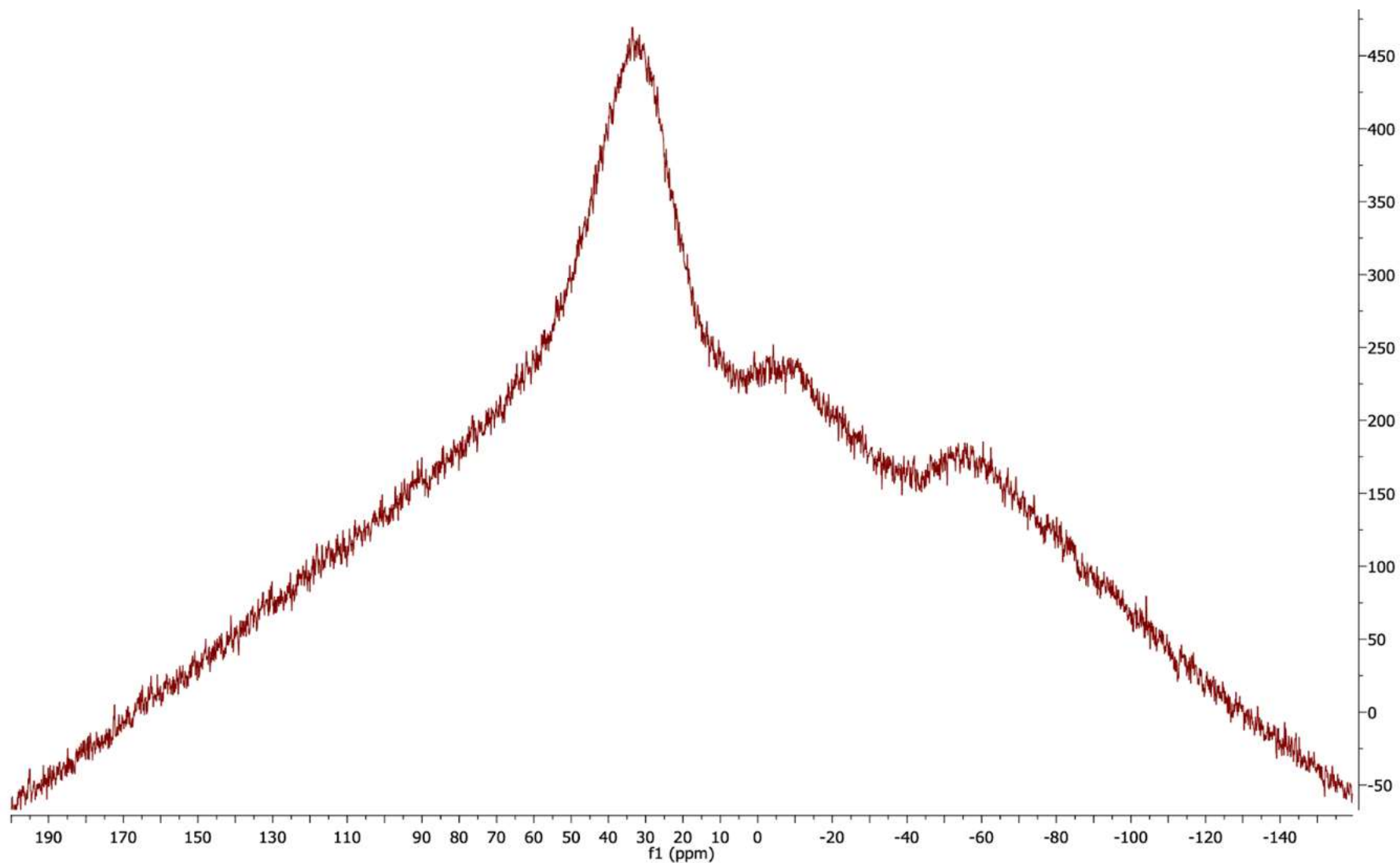


Fig S6. ^{11}B RMN ($\text{DMSO-}d_6$, 96 MHz) of the $\beta\text{-D-fructopyranoborate}$ (FB-1).

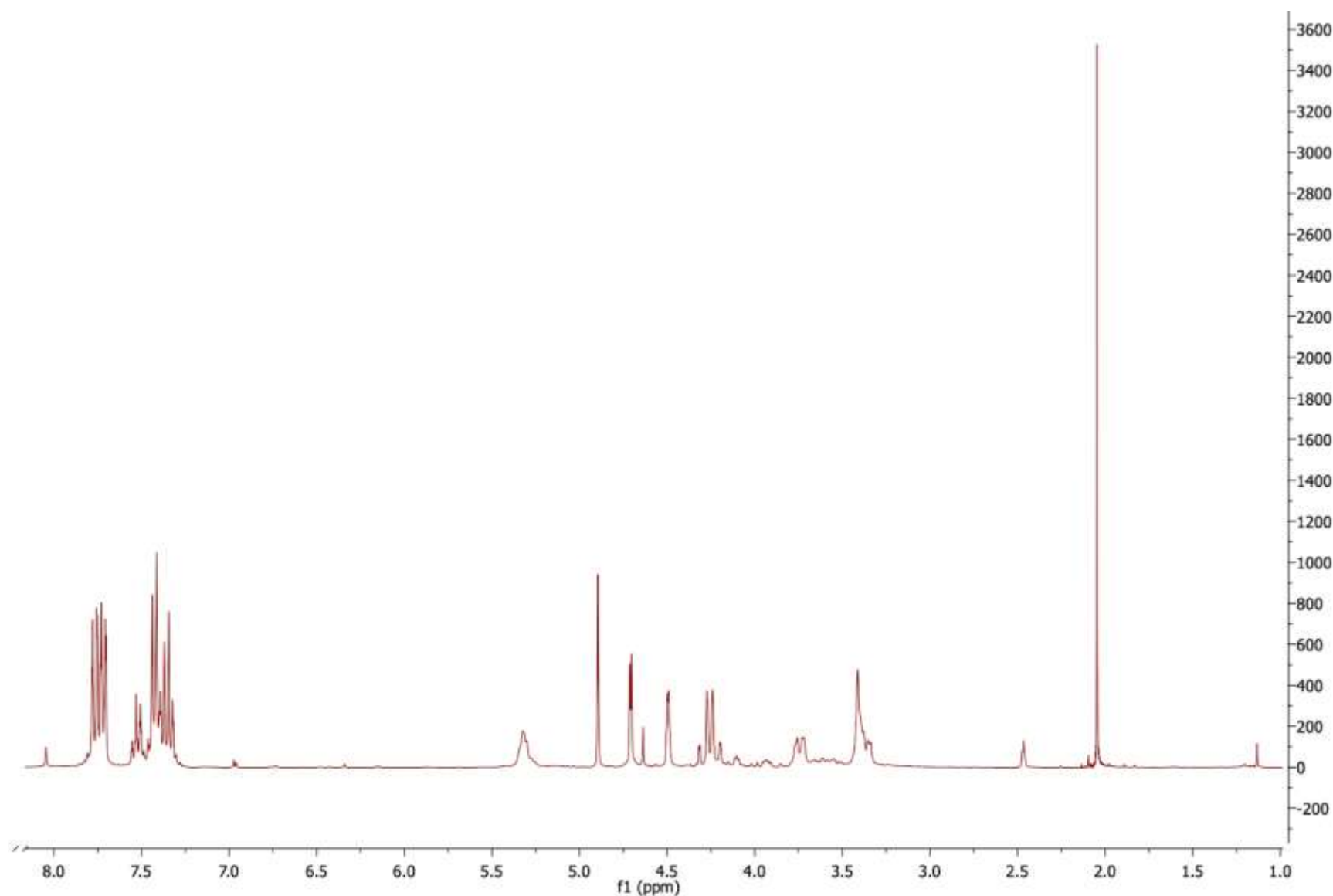


Fig S7. ^1H RMN ($\text{DMSO}-d_6$, 300 MHz) of the β -D-arabinopyranoborate (AB-1).

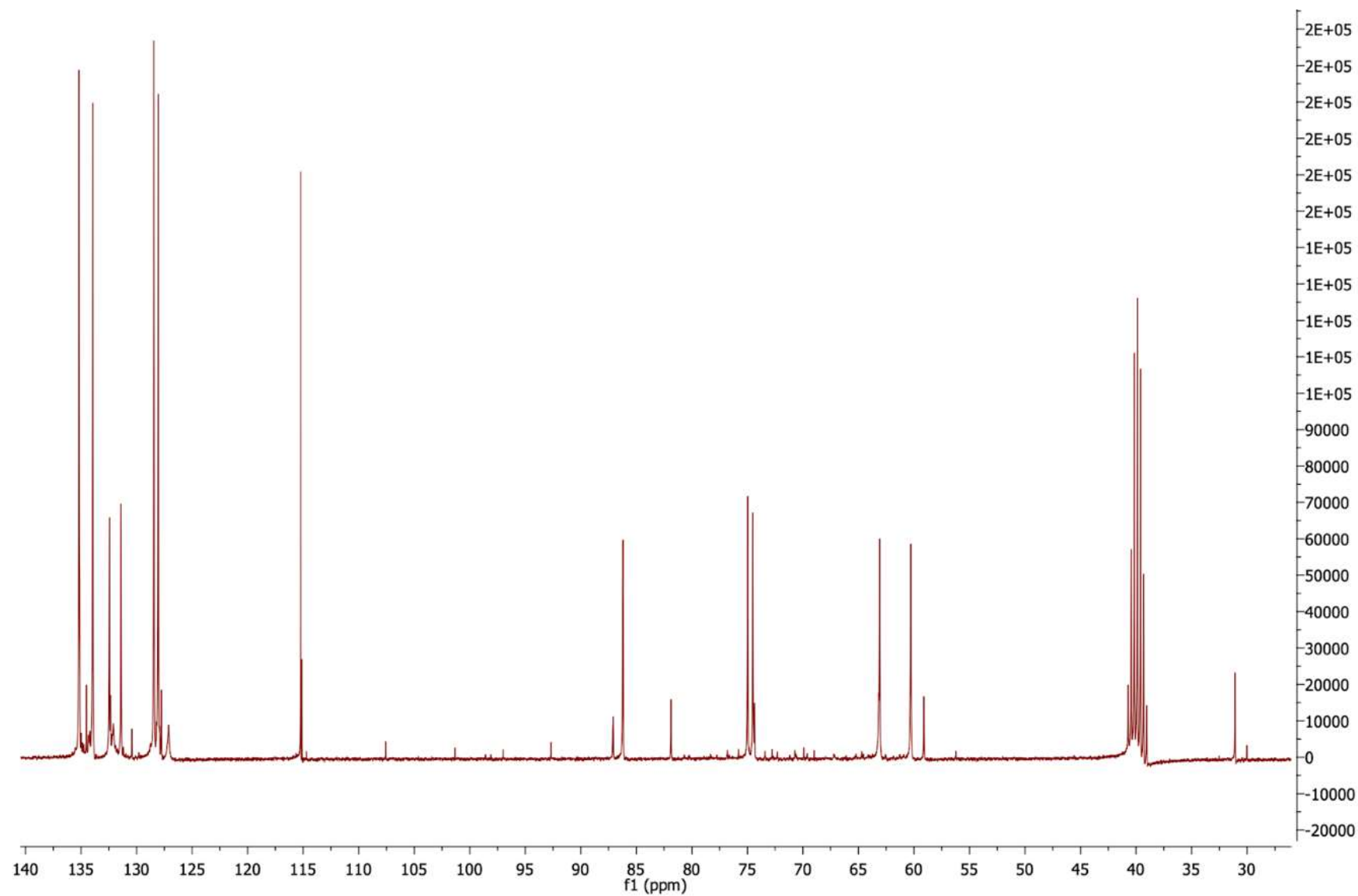


Fig S8. ^{13}C RMN ($\text{DMSO}-d_6$, 76.5 MHz) of the β -D-arabinopyranoborate (AB-1).

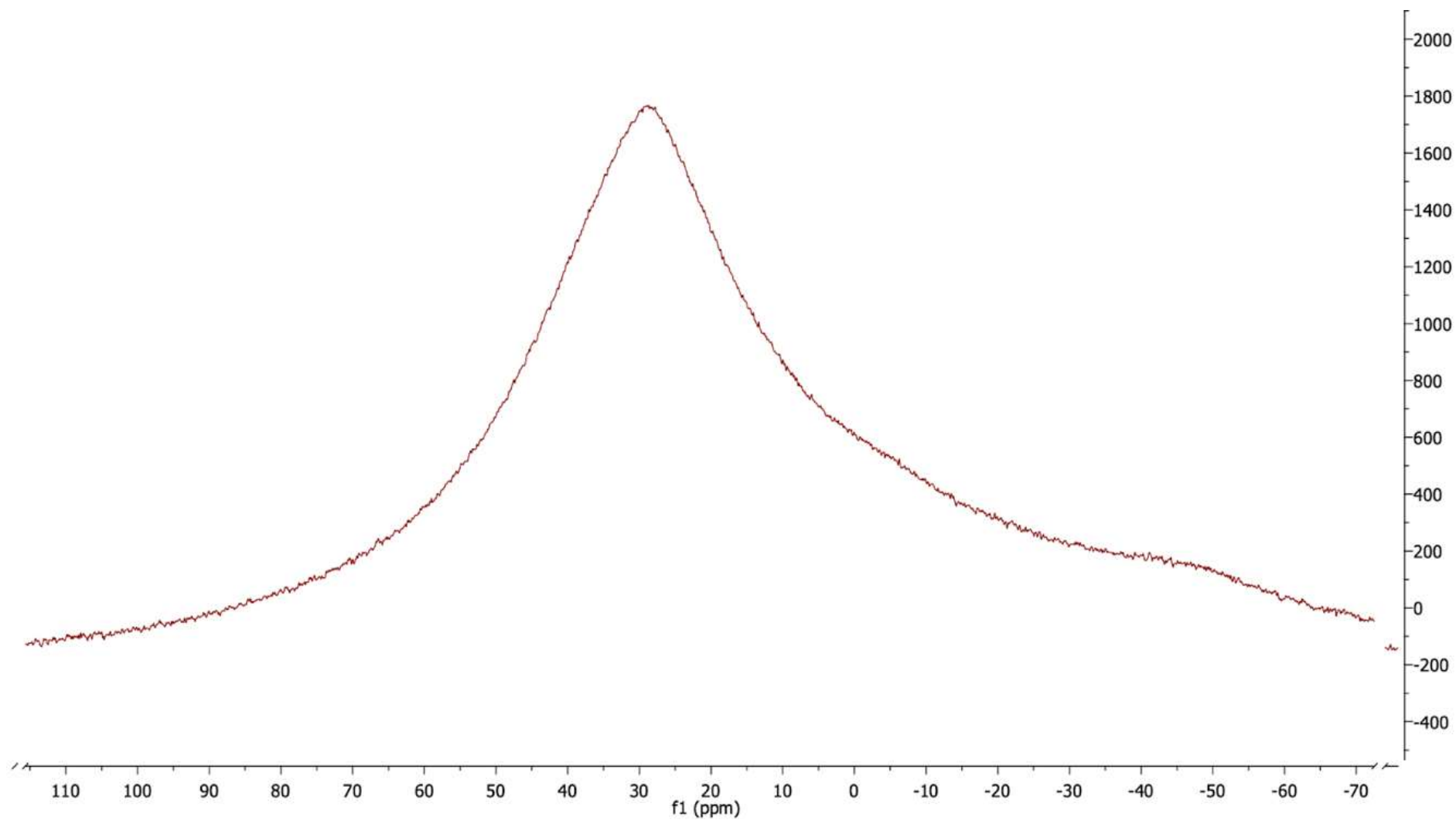


Fig S9. ^{11}B RMN ($\text{DMSO}-d_6$, 96 MHz) of the β -D-arabinopyranoborate (AB-1).

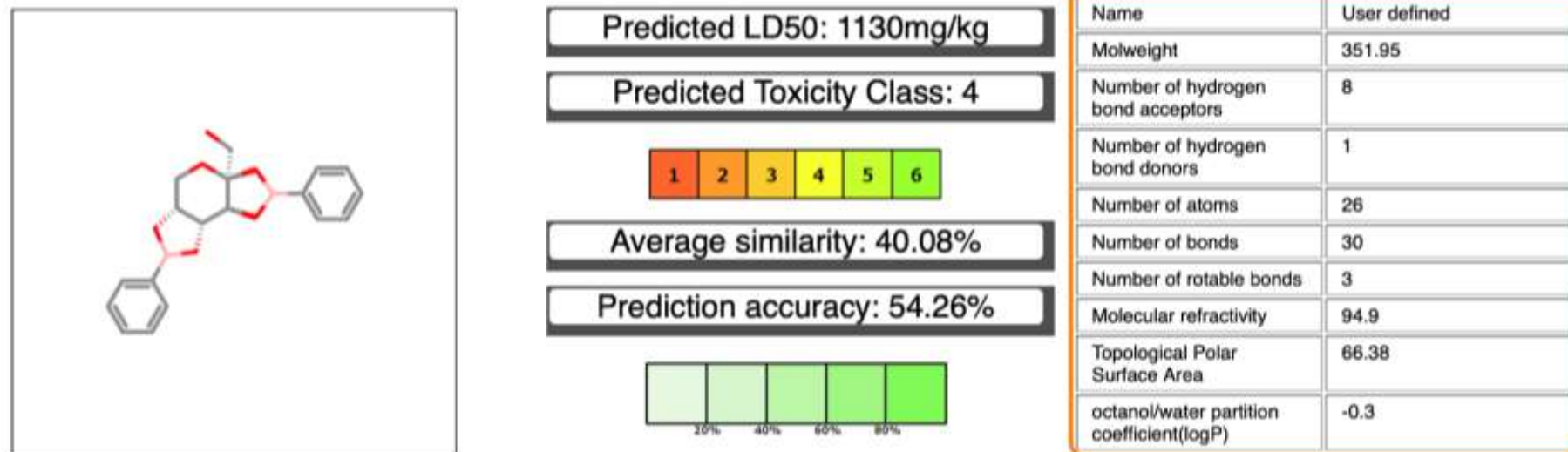


Fig S10. Prediction in the Protox II server for the β -D-fructopyranoborate (FB-1).

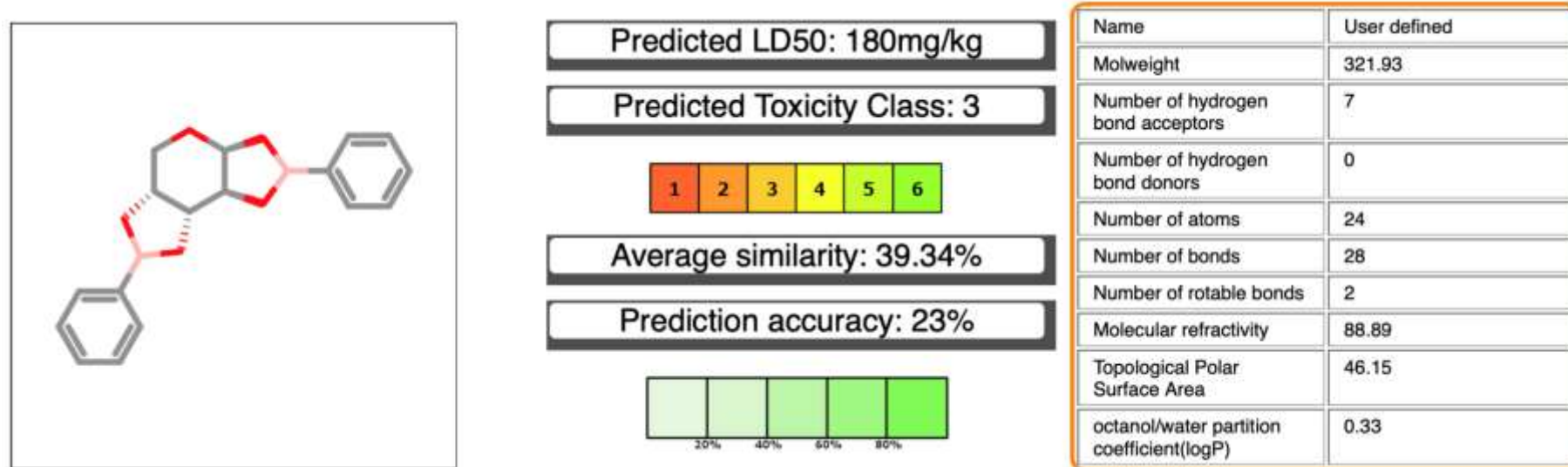


Fig S11. Prediction in the Protox II server for the β -D-arabinopyranoborate (AB-1).

One-step synthesis, crystallography, and acute toxicity of two boronic carbohydrate adducts which induced sedation in mice. Cordova-Chávez et al.

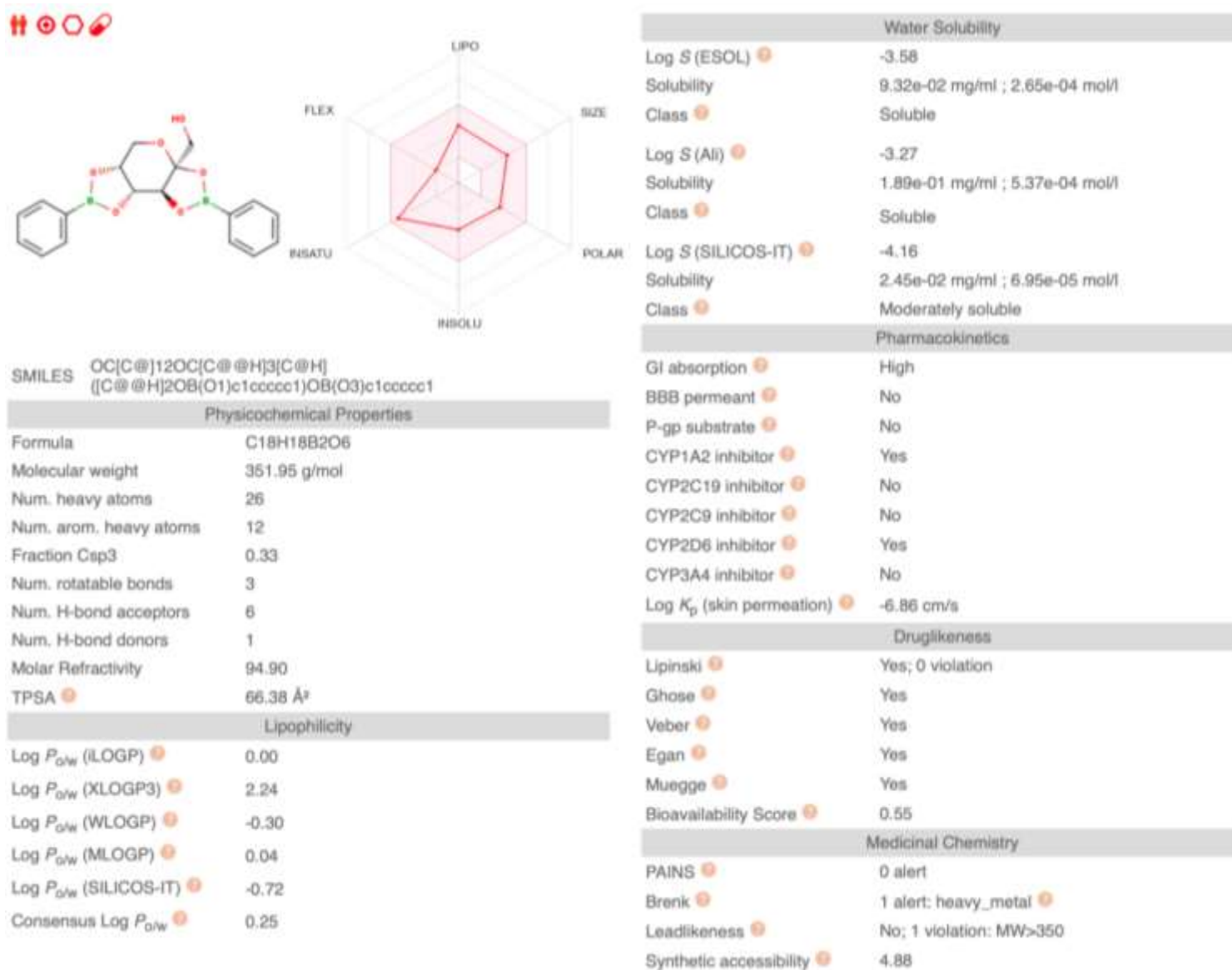


Fig S12. Prediction in the SwissADME server for the β-D-fructopyranoborate (FB-1).

One-step synthesis, crystallography, and acute toxicity of two boronic carbohydrate adducts which induced sedation in mice. Cordova-Chávez et al.

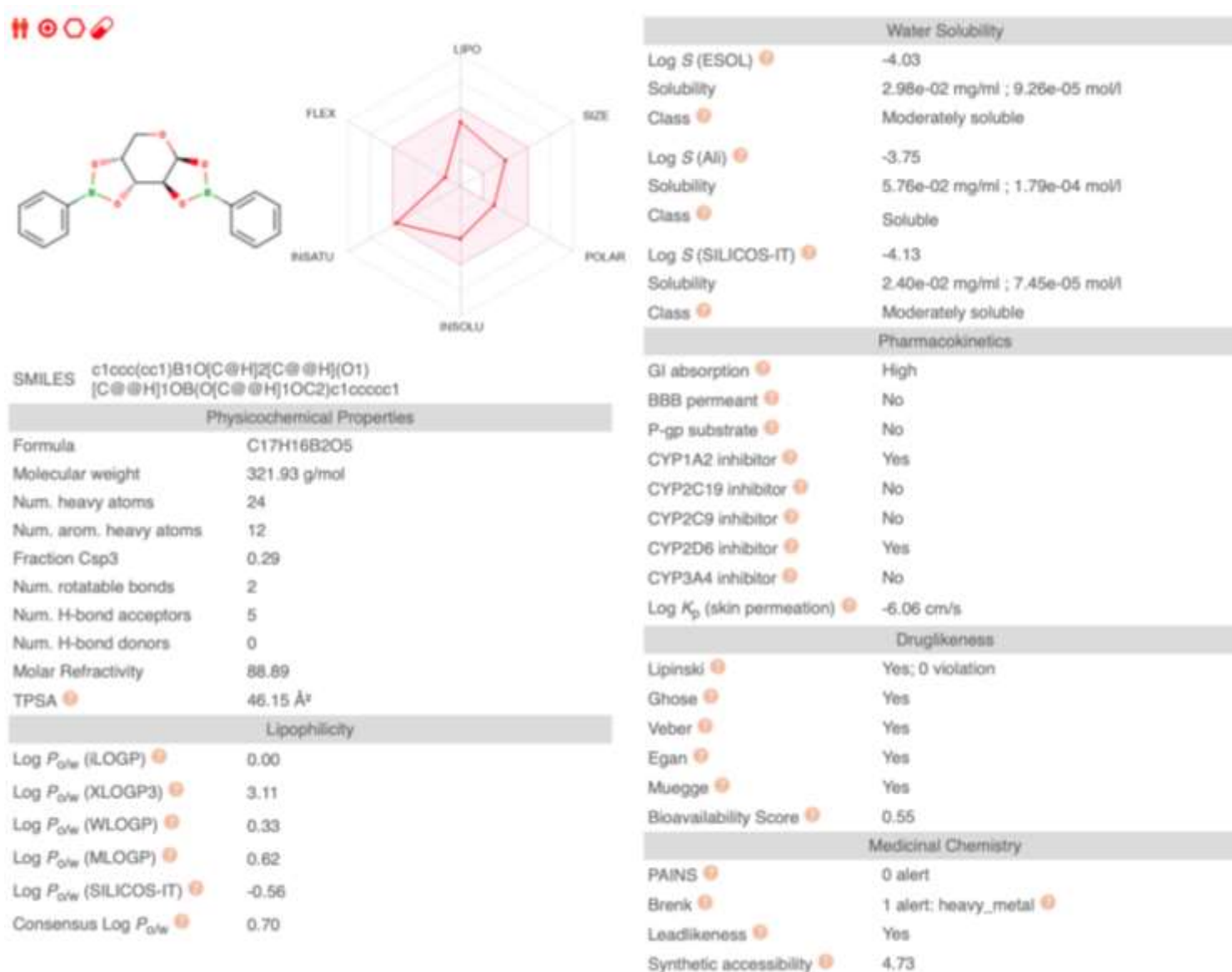
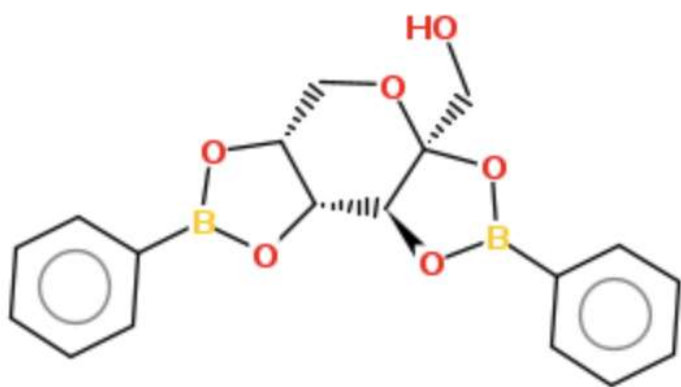
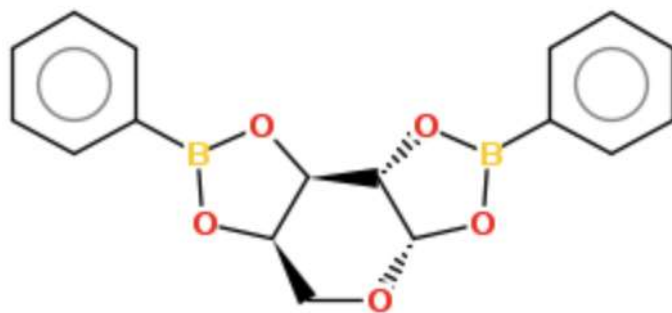


Fig S13. Prediction in the SwissADME server for the β -D-arabinopyranoborate (AB-1).



miLogP	1.70
TPSA	66.40
natoms	26
MW	351.96
nON	6
nOHNH	1
nviolations	0
nrotb	3
volume	352.54

Fig S14. Prediction in the Molinspiration server for the β -D-fructopyranoborate (FB-1).



miLogP	2.26
TPSA	46.17
natoms	24
MW	321.93
nON	5
nOHNH	0
nviolations	0
nrotb	2
volume	328.04

Fig S15. Prediction in the Molinspiration server for the β -D-arabinopyranoborate (AB-1).

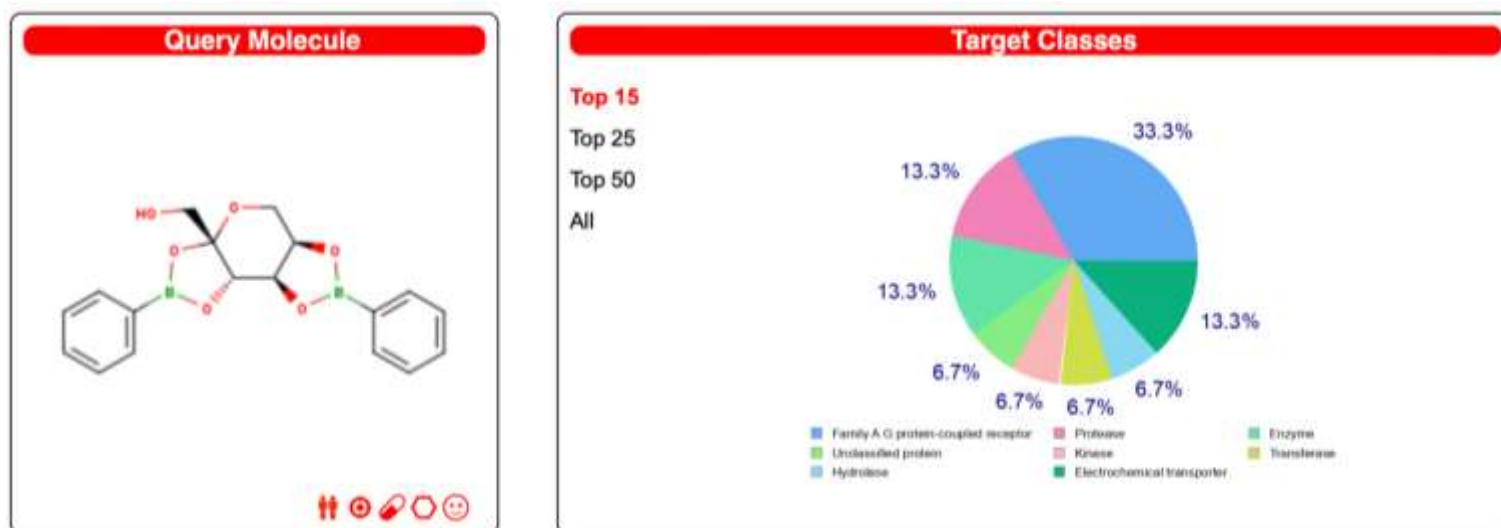


Fig S16. Prediction in the SwissTarget server for the β -D-fructopyranoborate (FB-1).

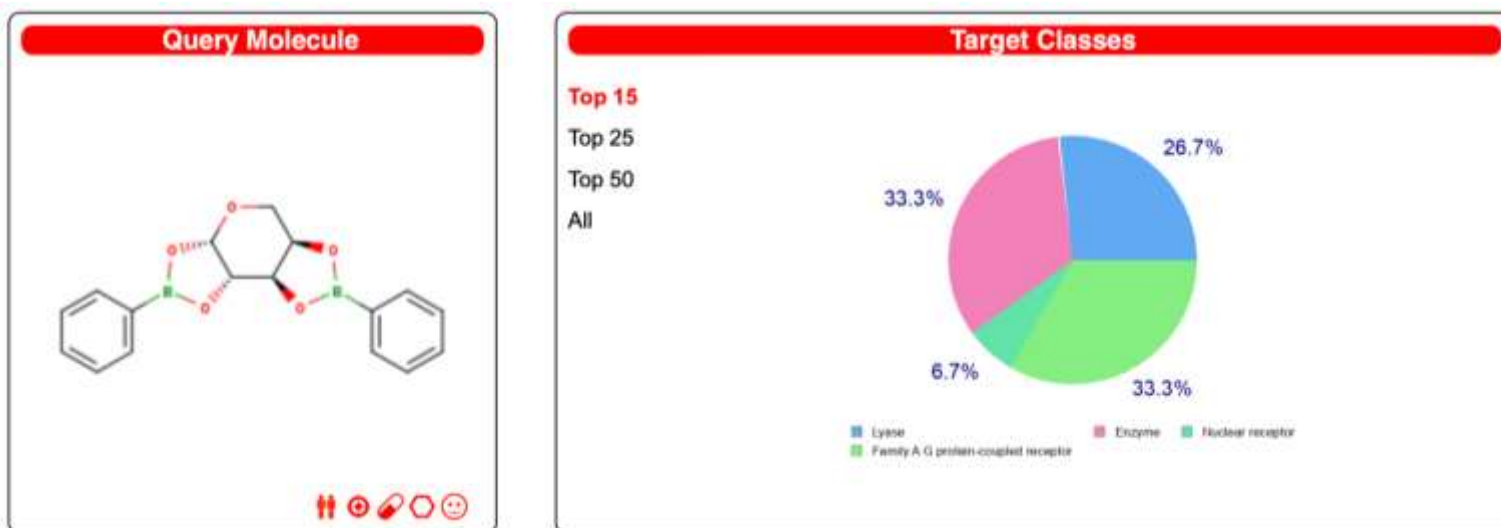


Fig S17. Prediction in the SwissTarget server for the β -D-arabinopyranoborate (AB-1).