

## Electronic Supplementary Information

to

### **Mn(II) complexes of novel hexadentate AAZTA-like chelators: a solution thermodynamics and relaxometric study**

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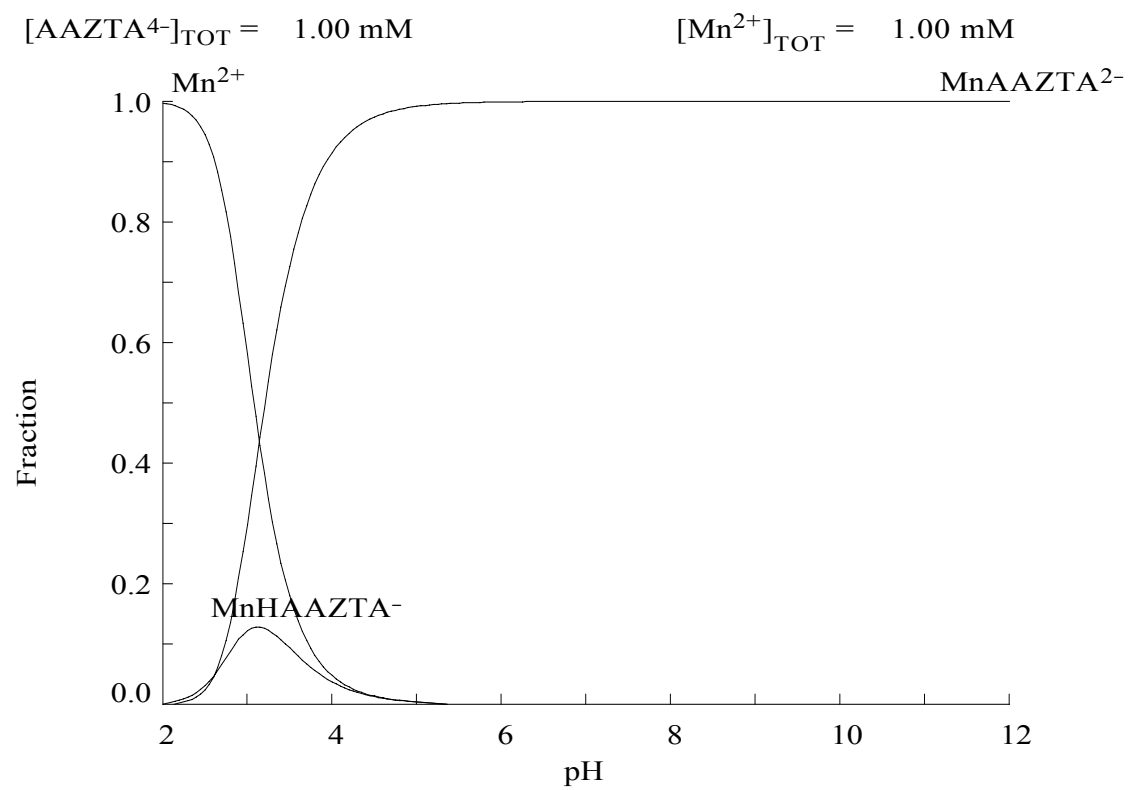
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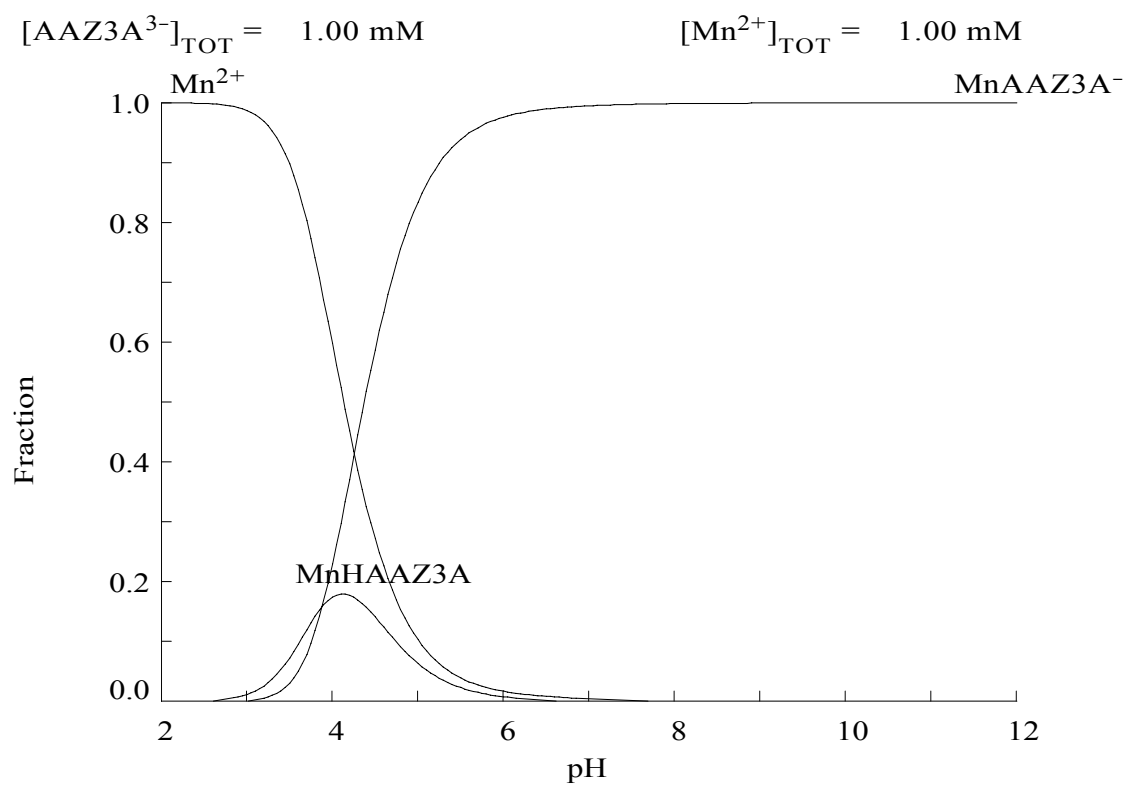
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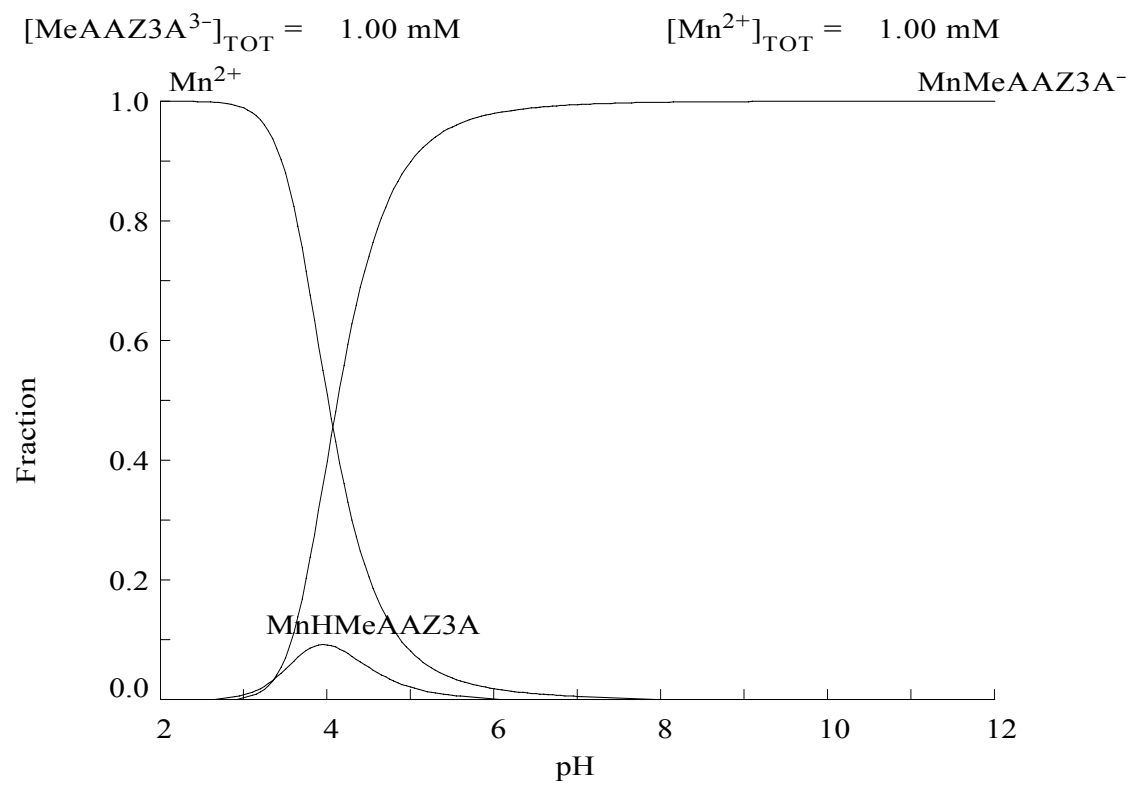
**Figure S1.** Species distribution diagram of the complex MnAAZTA.



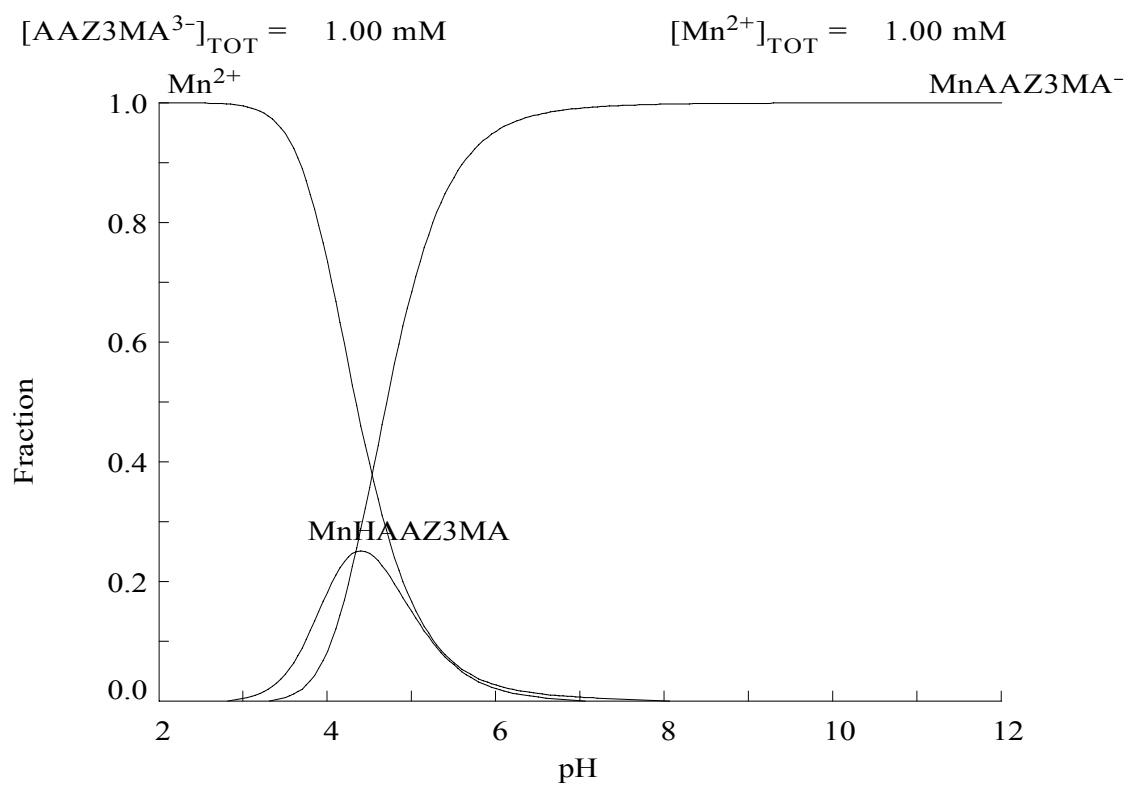
**Figure S2.** Species distribution diagram of the complex MnAAZ3A.



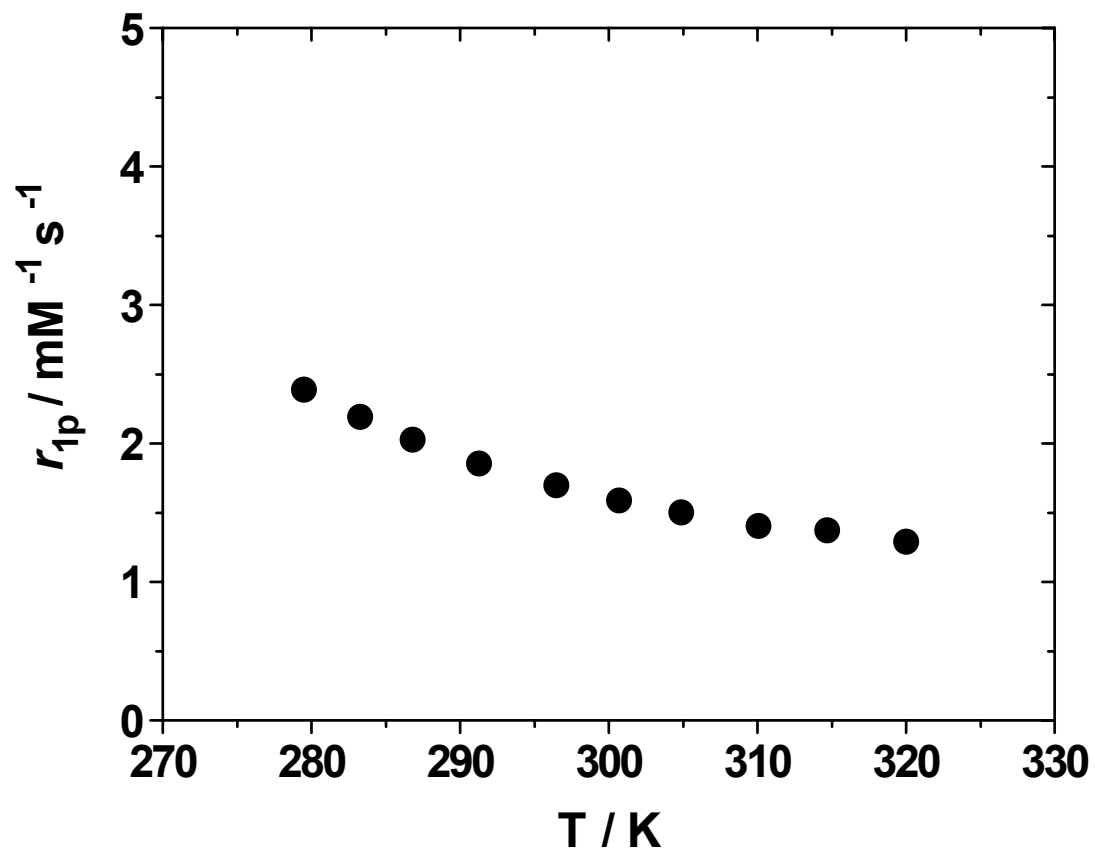
**Figure S3.** Species distribution diagram of the complex MnMeAAZ3A.



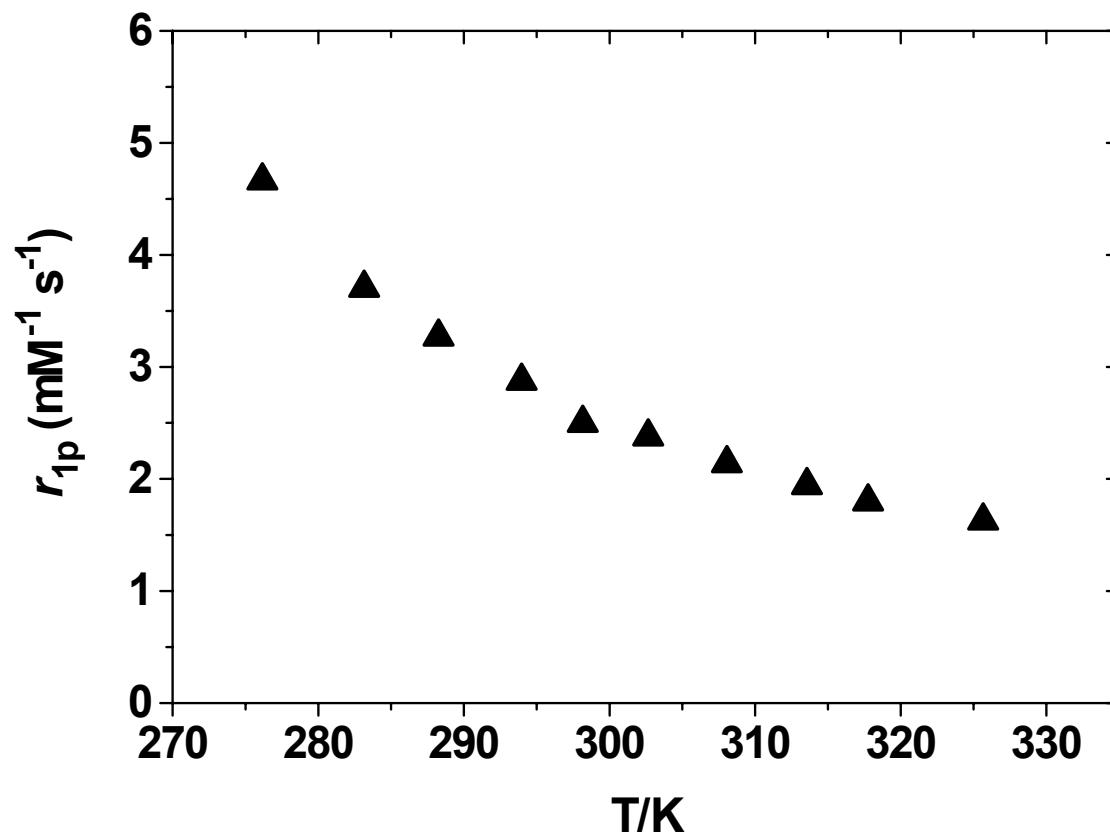
**Figure S4.** Species distribution diagram of the complex MnAAZ3MA.



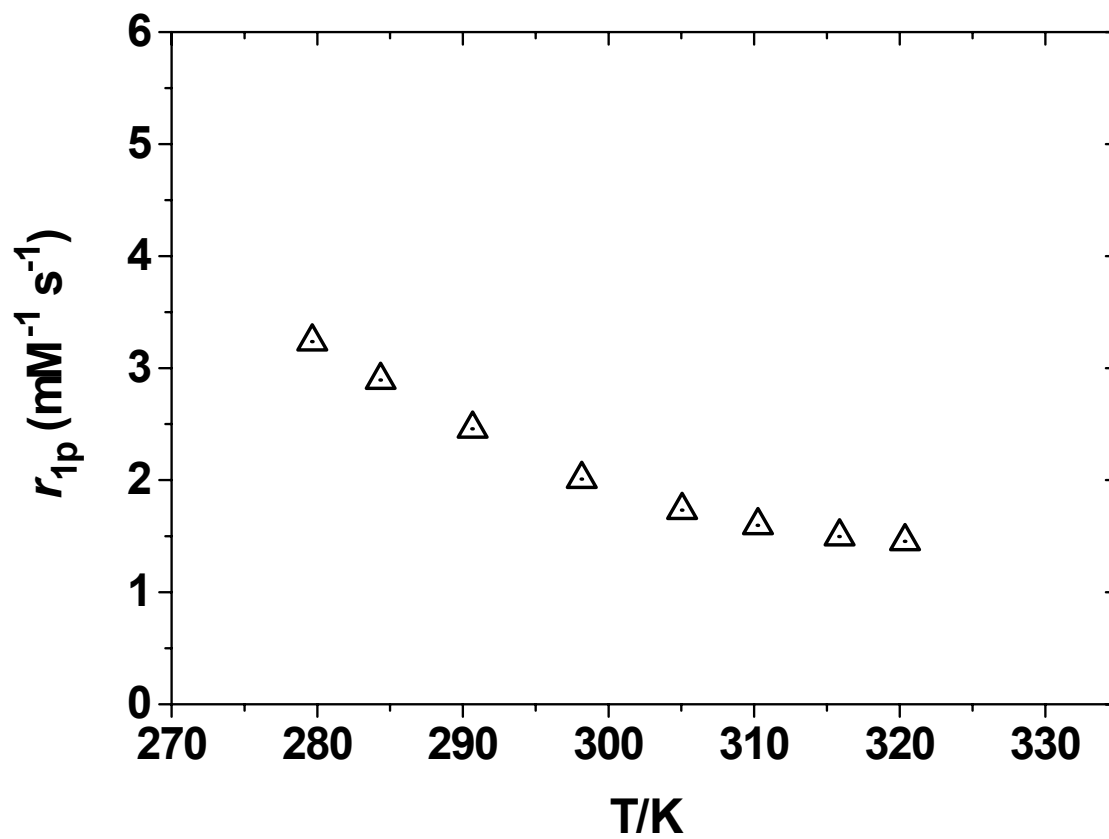
**Figure S5.** Temperature dependence of the proton relaxivity of MnAAZTA (20 MHz)



**Figure S6.** Temperature dependence of the proton relaxivity of MnAAZ3A (20 MHz)

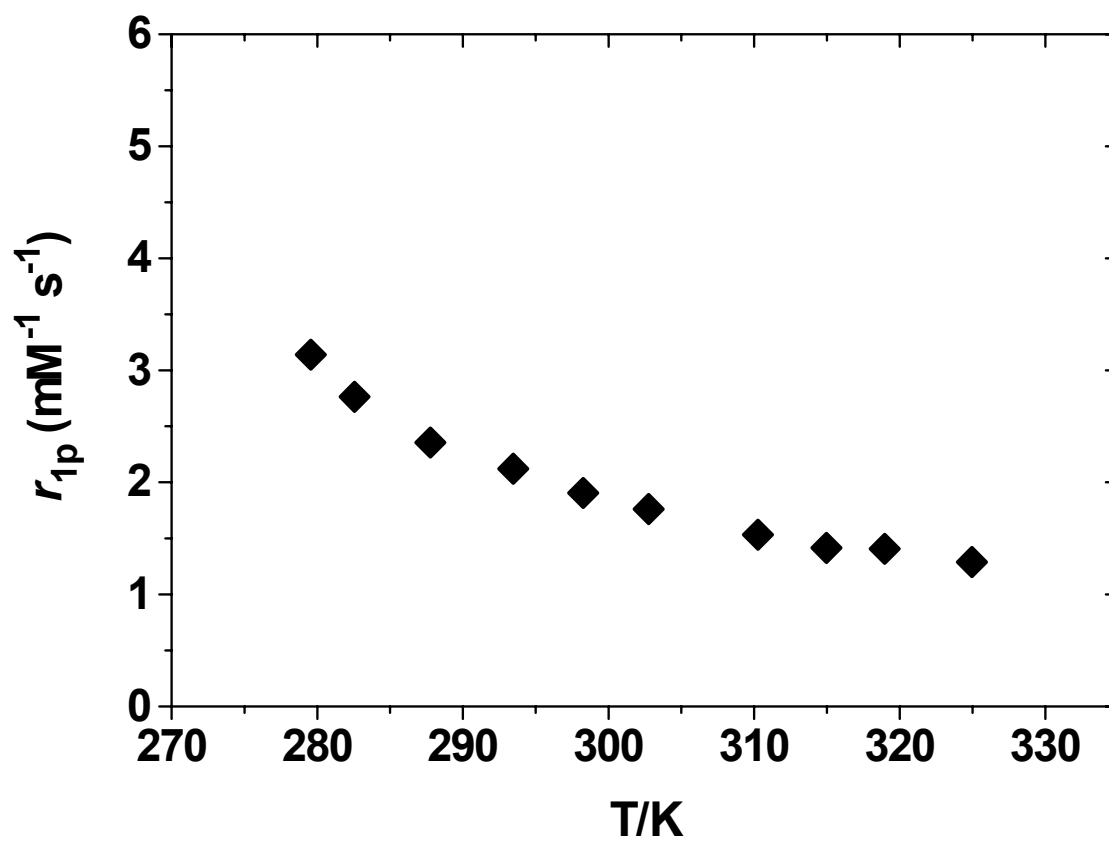


**Figure S7.** Temperature dependence of the proton relaxivity of MnMeAAZ3A (20 MHz)

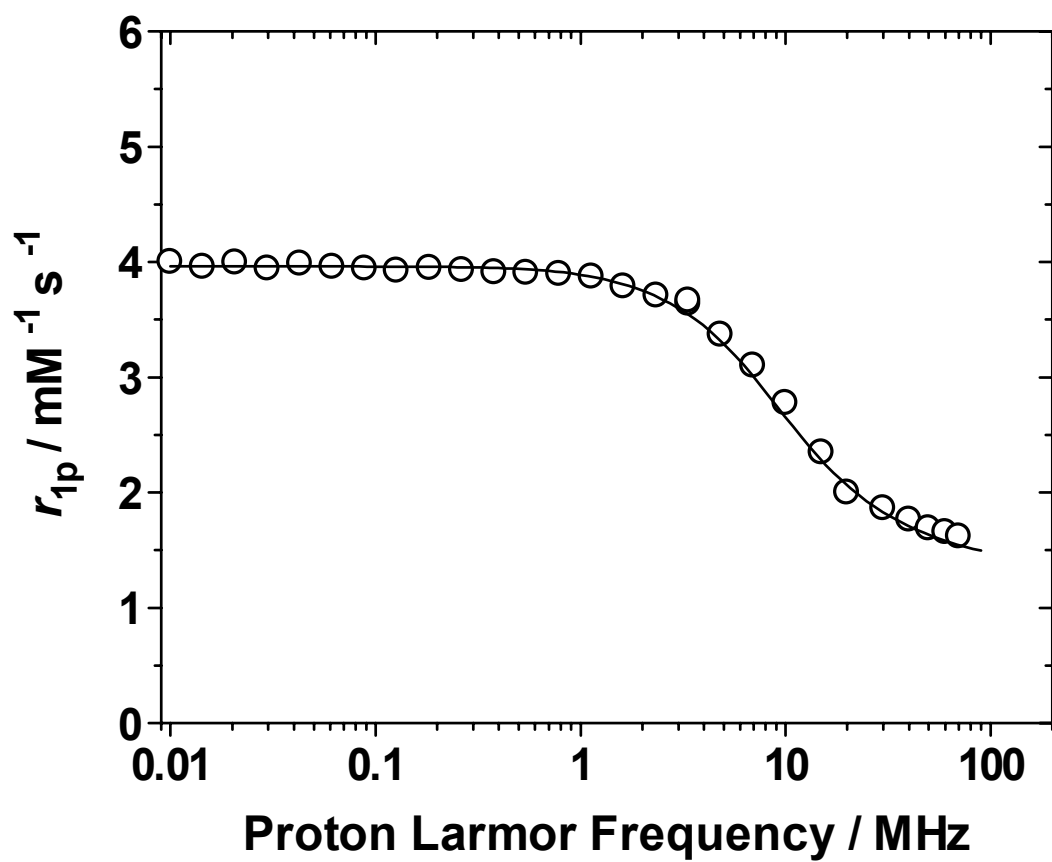




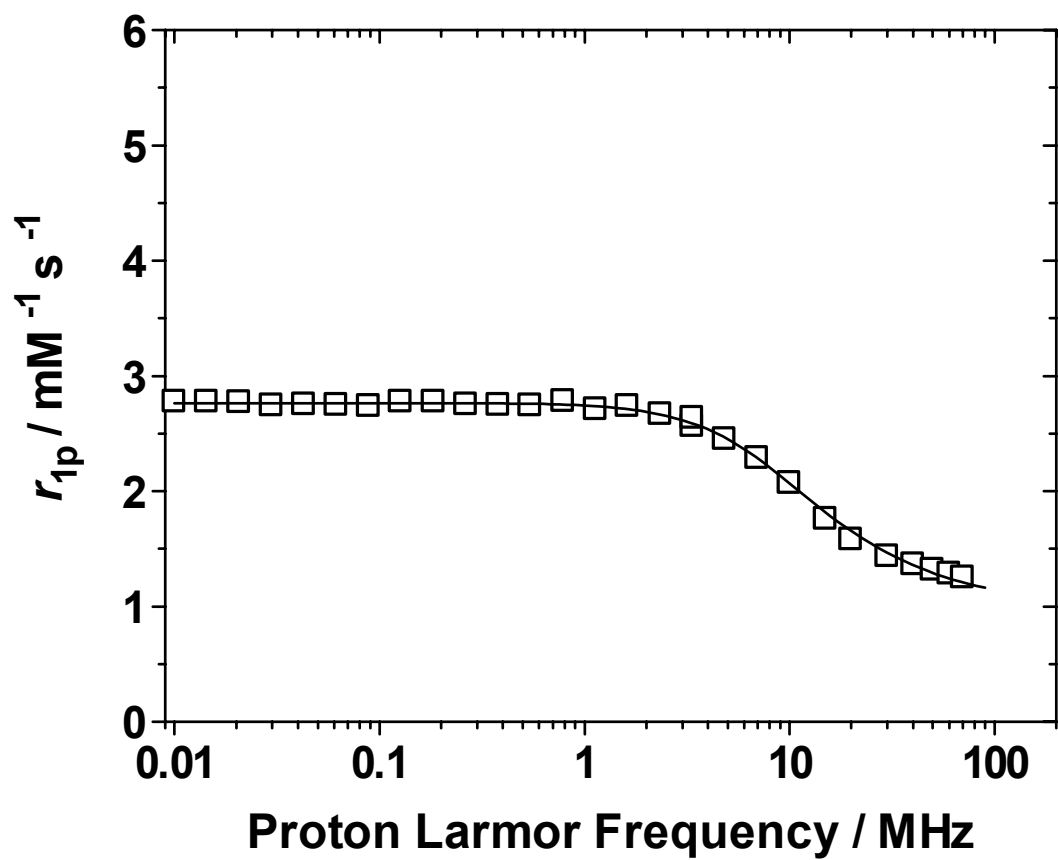
**Figure S8.** Temperature dependence of the proton relaxivity of MnAAZ3MA (20 MHz)



**Figure S9.**  $1/T_1$  NMRD profile of MnAAZ3A at 310 K.



**Figure S10.**  $1/T_1$  NMRD profile of MnMeAAZ3A at 310 K.



**Figure S11.**  $1/T_1$  NMRD profile of MnAAZTA at 310 K.

