Electronic Supplementary Information

Dissolution DNP using trityl radicals at 7 T field

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1. Effect of Gd³⁺ on DNP Profiles of AH111501 samples



Figure S1: Upper panel shows the DNP profile for samples with increasing AH111501 radical concentration (15 mM, red diamonds to 30 mM, magenta triangles) as plotted in Fig. 6 in the main text. Blue crosses represent 26 mM concentration. Lower panel shows the effect of the addition of Gd3+ to a sample with 26 mM radical concentration (blue crosses). Red diamonds $- 1 \text{ mM Gd}^{3+}$ and magenta triangles $- 2 \text{ mM Gd}^{3+}$.



2. Effect of Gd³⁺ on DNP Profiles of OX063 samples

Figure S2: Upper panel shows the DNP profile for samples with increasing OX063 radical concentration (15 mM, red diamonds to 30 mM, magenta triangles) as plotted in Fig. 7 in the main text. Blue crosses represent 26 mM concentration. Lower panel shows the effect of the addition of Gd3+ to a sample with 26 mM radical concentration (blue crosses). Red diamonds $- 1 \text{ mM Gd}^{3+}$ and magenta triangles $- 2 \text{ mM Gd}^{3+}$.