

Supporting Information for

“Water-soluble gold nanoparticles (AuNP) functionalized with a gadolinium (III) chelate via Michael addition for use as a MRI contrast agent”

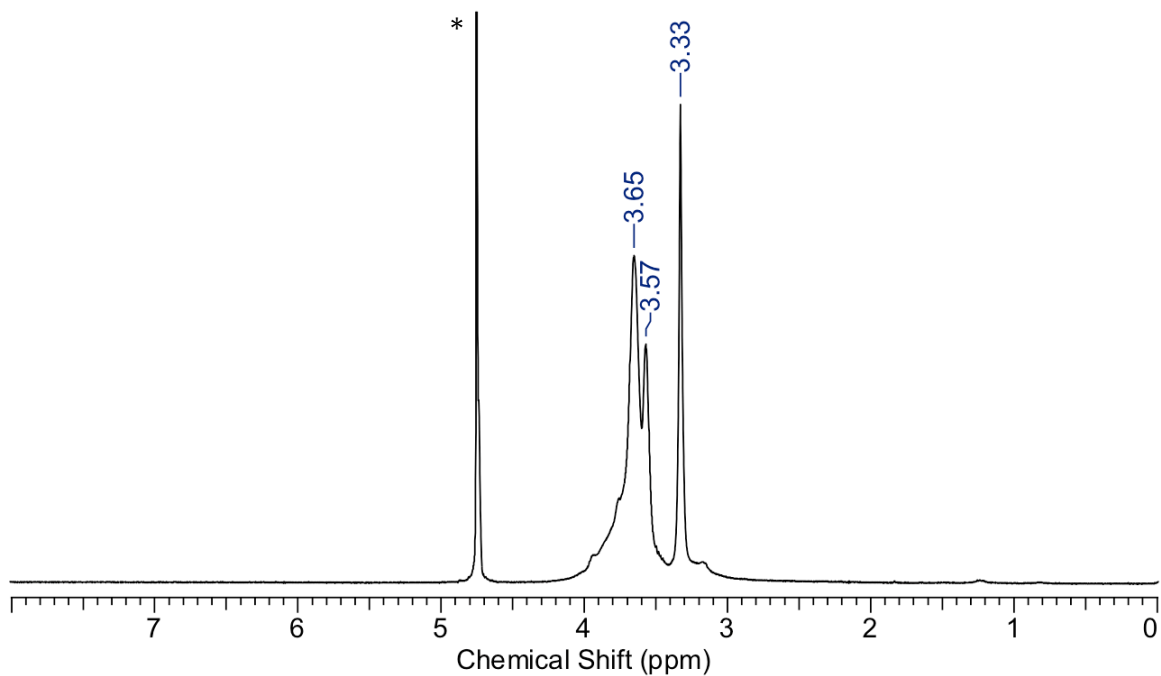
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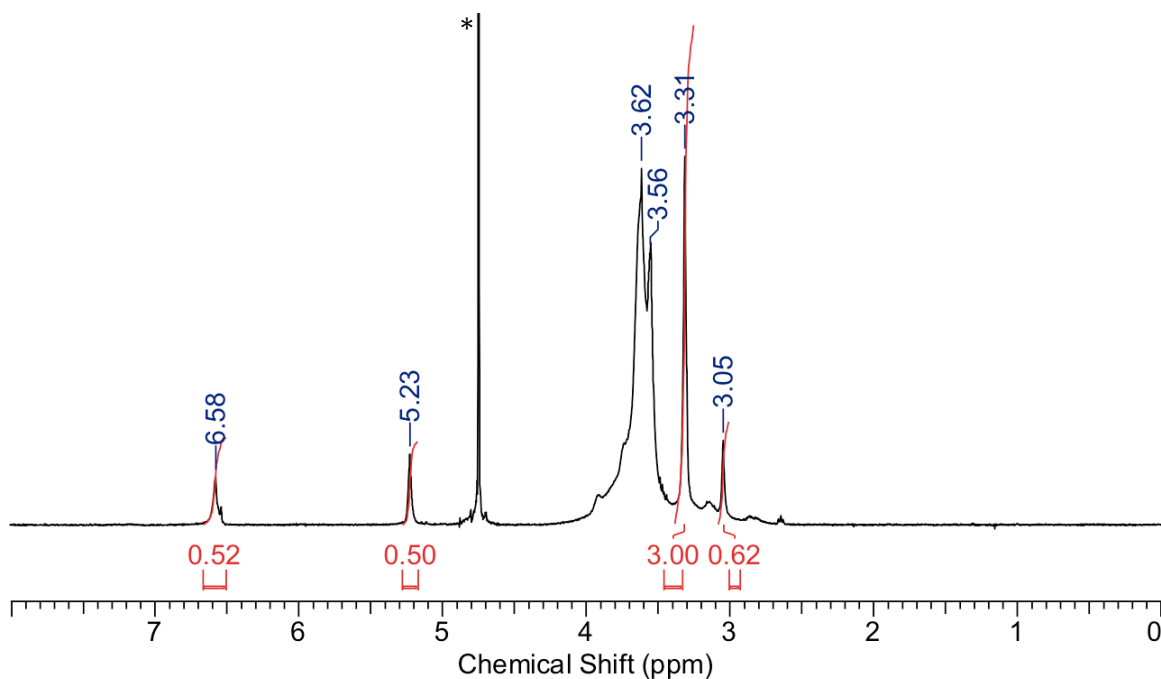
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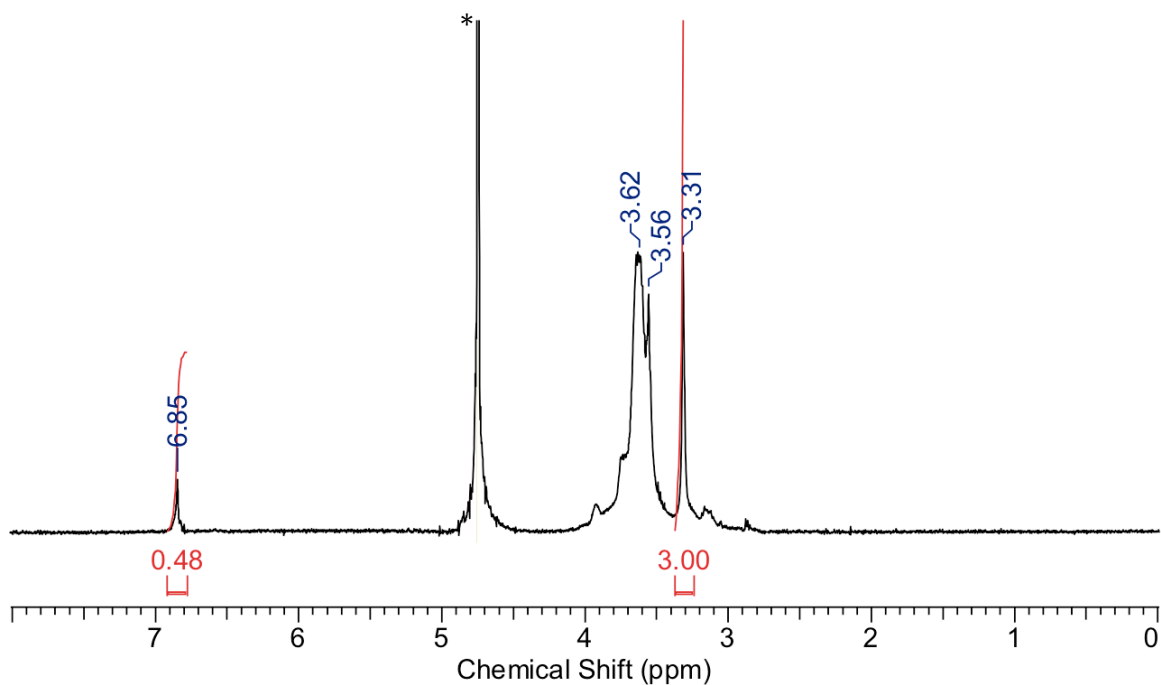
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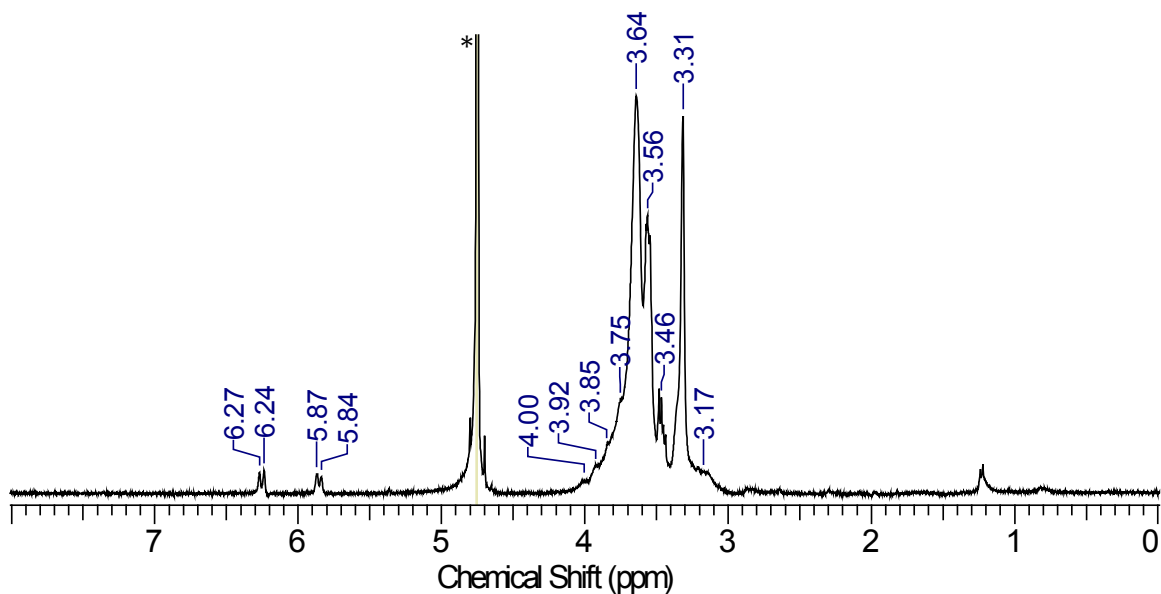
S1. ^1H NMR spectrum of Me-EG₃-AuNP referenced to residual H₂O (*).



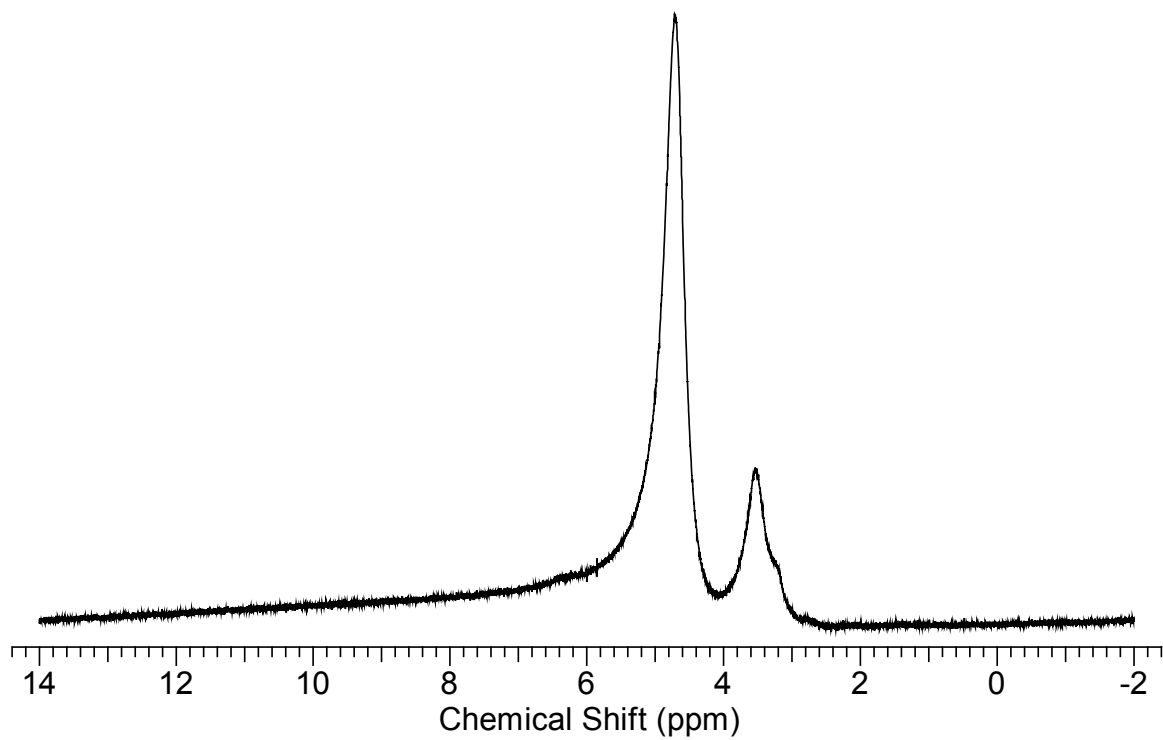
S2. ^1H NMR spectrum of FPMaleimide-AuNP referenced to residual H₂O (*).



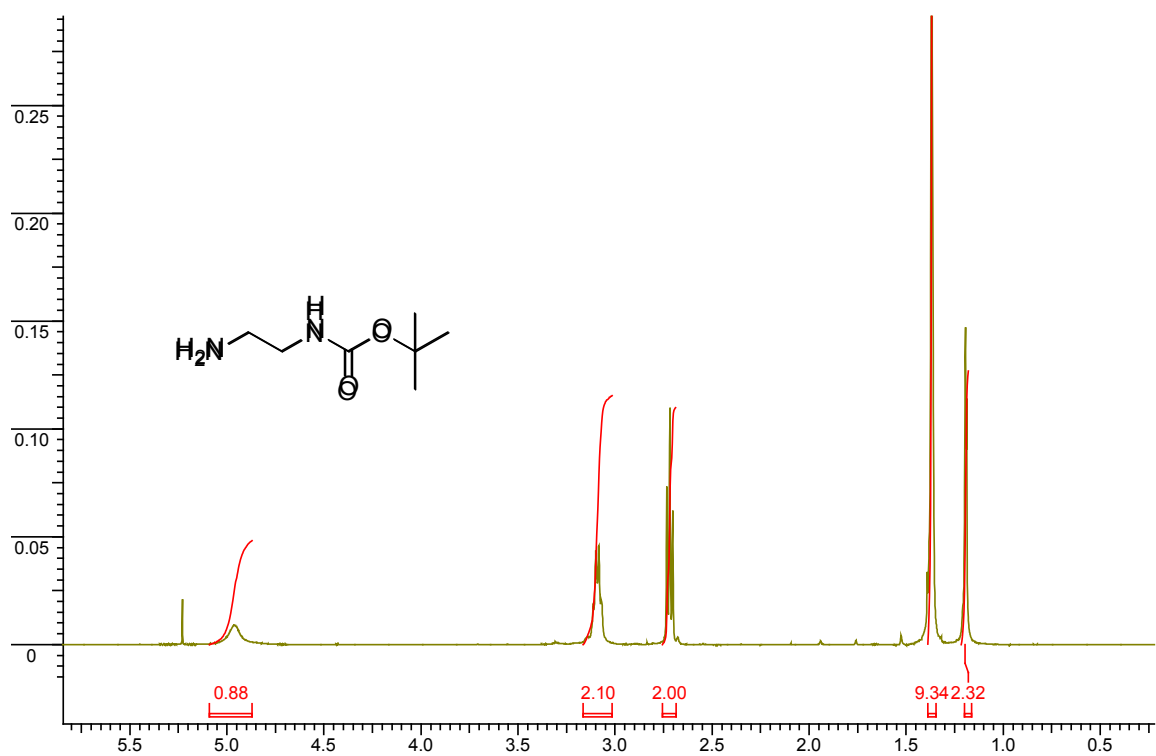
S3. ^1H NMR spectrum of Maleimide-AuNP referenced to residual H_2O (*).



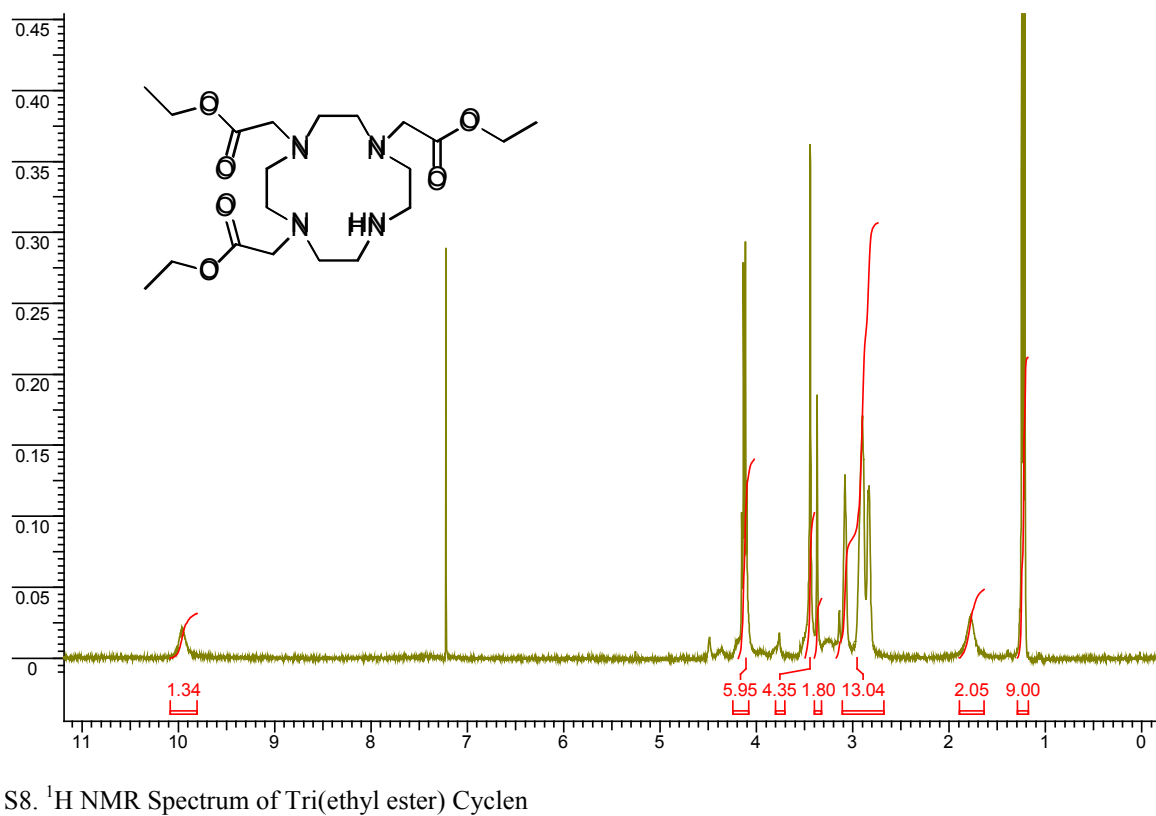
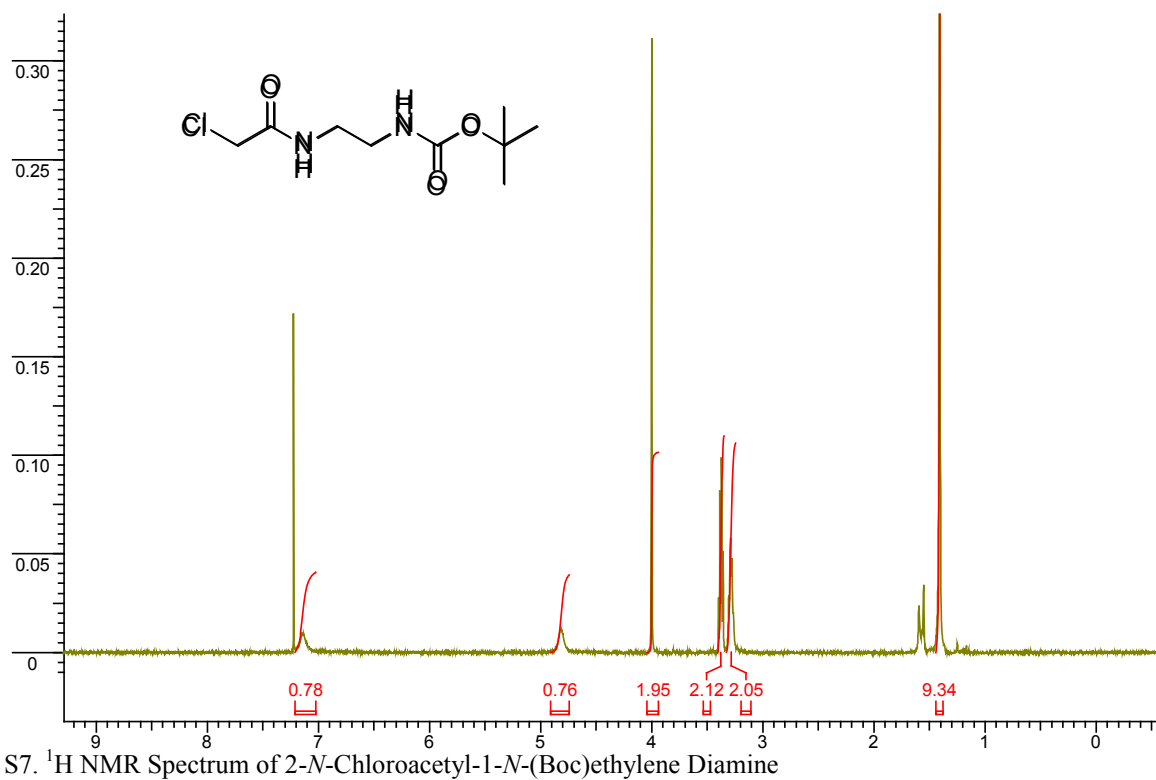
S4. ^1H NMR spectrum of DO3A-Amine-AuNP referenced to residual H_2O (*). The peaks at 5.84 ppm and 6.24 ppm are related to the hydrolysis of the maleimide to the corresponding maleamic acid.

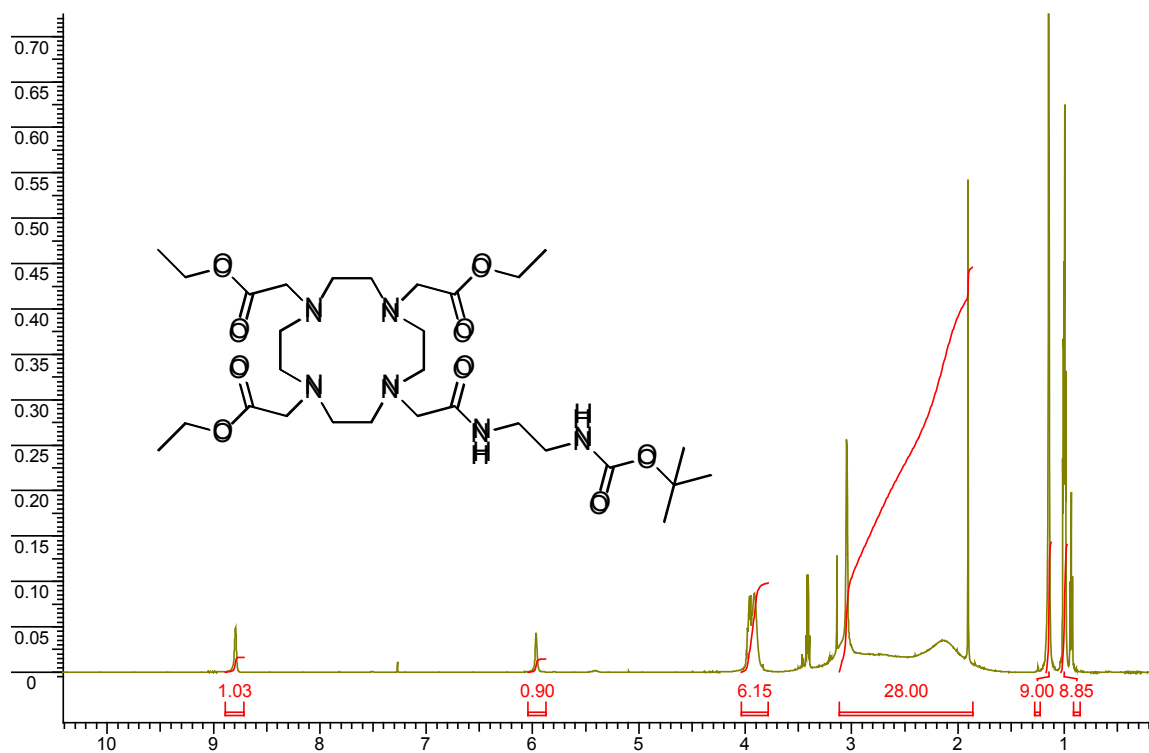


S5. ^1H NMR spectrum of Gd-DO3A-Amine-AuNP.

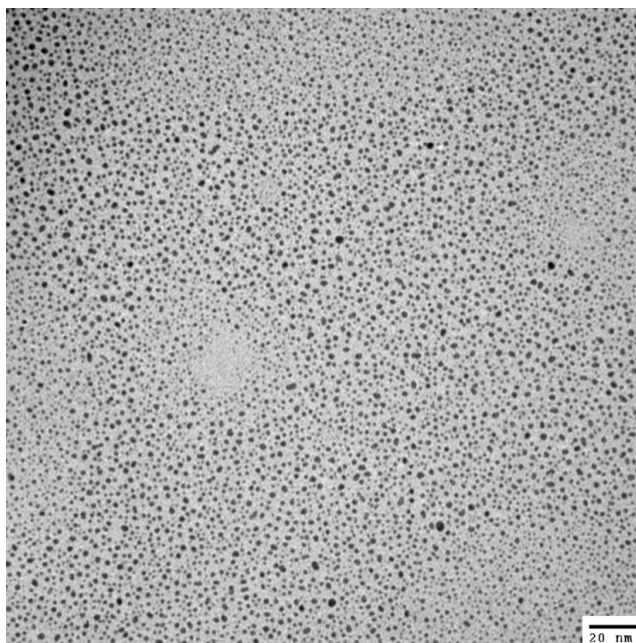


S6. ^1H NMR Spectrum of mono(Boc)Ethylene Diamine

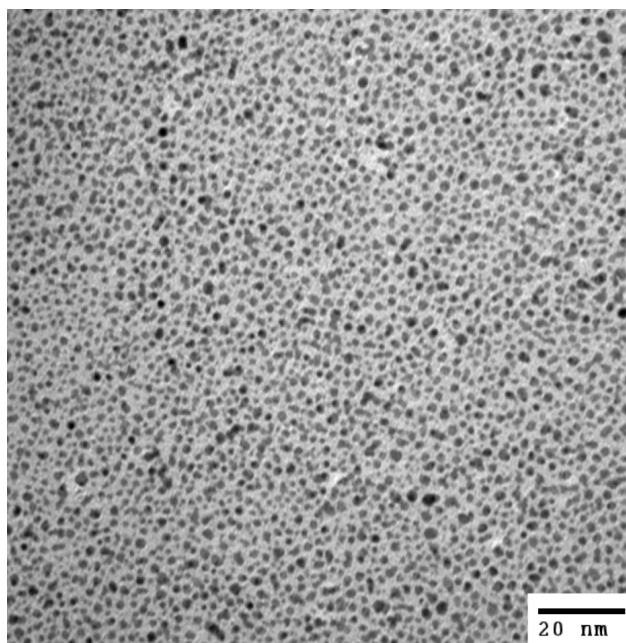




S9. ^1H NMR Spectrum of Tri(ethyl ester) Mono(Boc)Ethylene Diamine Cyclen



S10. TEM image of Maleimide AuNP



S11. TEM image of Gd-AuNP