Supplementary Information

Synthesis and Characterisation of Zirconium Complexes for Cell Tracking with Zr-89 by Positron Emission Tomography

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Figure S1: ¹H NMR of Zr(oxinate)₄ in DMSO-d6



Figure S2: IR Spectrum of oxine



Figure S3: IR Spectrum of Zr(oxinate)₄



Figure S4: IR Spectrum of oxine



Figure S5: Raman Spectrum of Zr(oxinate)₄



Figure S6: ¹H NMR of Zr(tropolonate)₄ in DMSO-*d6*



Figure S7: IR Spectrum of tropolone



Figure S8: IR Spectrum of Zr(tropolonate)₄



Figure S9: Raman Spectrum of tropolone



Figure S10: Raman Spectrum of Zr(tropolonate)₄



Figure S11: ¹H NMR of Zr(ethyl maltolate)₄ in DMSO-d6



Figure S12: ¹³C NMR of Zr(ethyl maltolate)₄ in DMSO-d6



Figure S13: IR Spectrum of ethyl maltol



Figure S14: IR Spectrum of Zr(ethyl maltolate)₄







Figure S16: Raman Spectrum of Zr(ethyl maltolate)₄



Figure S17: UV-vis spectra of oxine



Figure S18: UV-vis spectra of Zr(oxinate)₄