Supporting Information

Evaluation of Quercetin-Gadolinium Complex as an Efficient Positive Contrast Enhancer for Magnetic Resonance Imaging

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Figure S1. The structure of quercetin

Figure S2A. UV-Visible spectra of Q and QGd complex
Figure S2B. FTIR spectrum of quercetin and quercetin-gadolinium complex. Asterisk (*) symbol denotes the wavenumbers corresponding the band shift in Q and QGd complex.

Figure S3. EPR spectrum of quercetin-gadolinium complex
Figure S4A. The Mole-ratio plot for interaction of quercetin with gadolinium(III). The dotted line shows the 1:1 stoichiometry for QGd complex.

Figure S4B. Job’s plot for quercetin and gadolinium(III) from UV spectra varying the proportion of [quercetin + gadolinium(III)] = 1x10^{-2} mol L^{-1} (constant for all measures) in DMSO. The dotted line shows 1:1 stoichiometry for QGd complex.
Figure S5. Stern-Volmer plot for quercetin-gadolinium(III) complex

\[ y = 116208x + 1.244 \]
\[ R^2 = 0.9464 \]