Supporting Information

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

Thenmozhi Muthurajan, Pooja Rammanohar, Nisha Palanisamy Rajendran, Swaminathan Sethuraman and Uma Maheswari Krishnan*

Centre for Nanotechnology & Advanced Biomaterials
School of Chemical & Biotechnology
SASTRA University, Thanjavur- 613 401, India

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*Corresponding Author

Prof. Uma Maheswari Krishnan Ph. D.
Deakin Indo–Australia Chair Professor
Associate Dean for the Departments of Chemistry, Bioengineering & Pharmacy
Centre for Nanotechnology & Advanced Biomaterials (CeNTAB)
School of Chemical & Biotechnology
SASTRA University, Thanjavur – 613 401
TamilNadu,
India

Ph.: (+91) 4362 264101 Ext: 3677

Fax: (+91) 4362 264120

E–mail: umakrishnan@sastra.edu

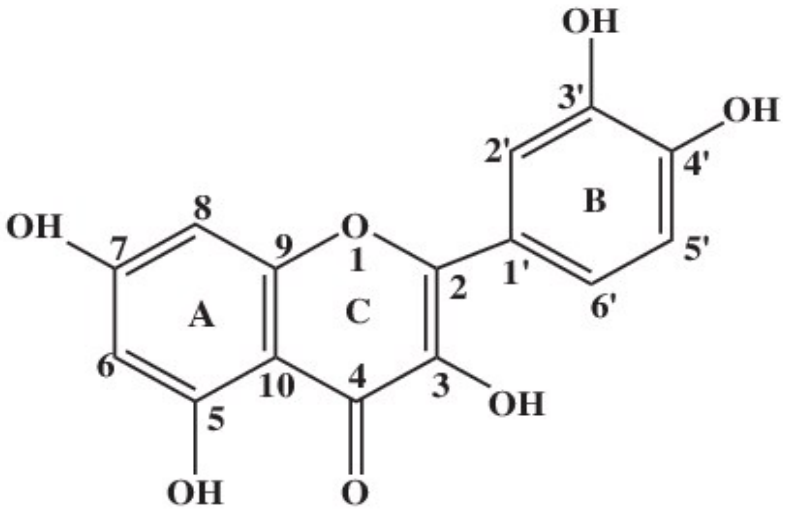

Figure S1. The structure of quercetin

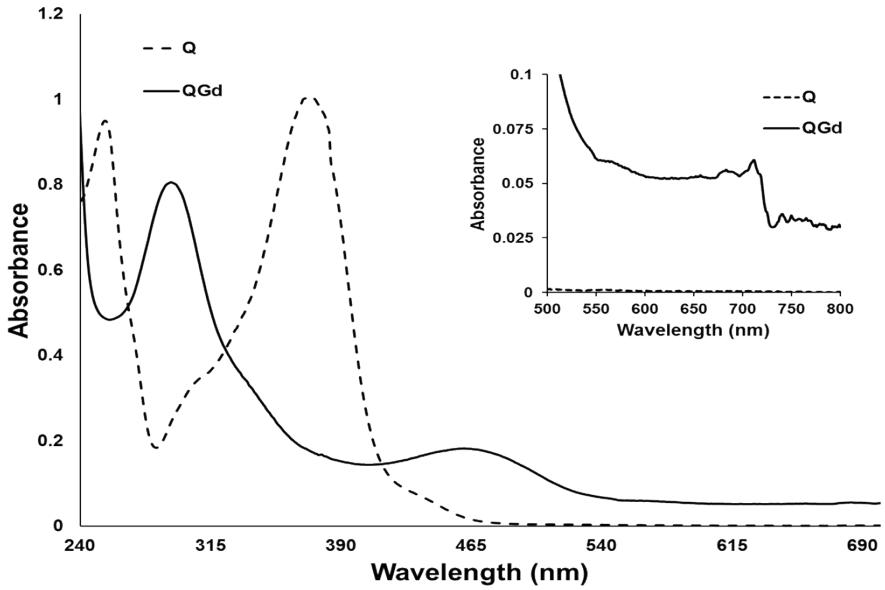

Figure S2A. UV-Visible spectra of Q and QGd complex

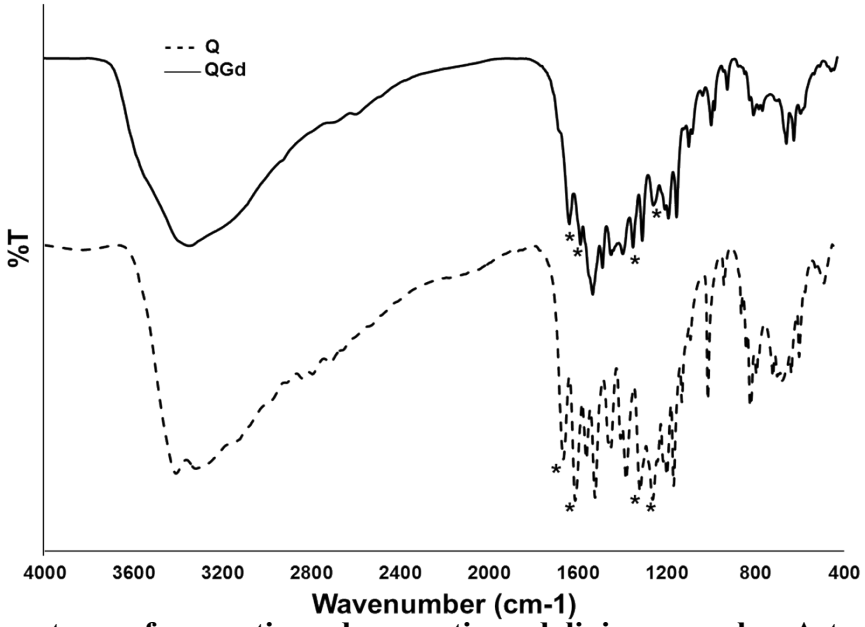

Figure S2B. FTIR spectrum of quercetin and quercetin-gadolinium complex. Asterisk (*) symbol denotes the wavenumbers corresponding the band shift in Q and QGd complex.

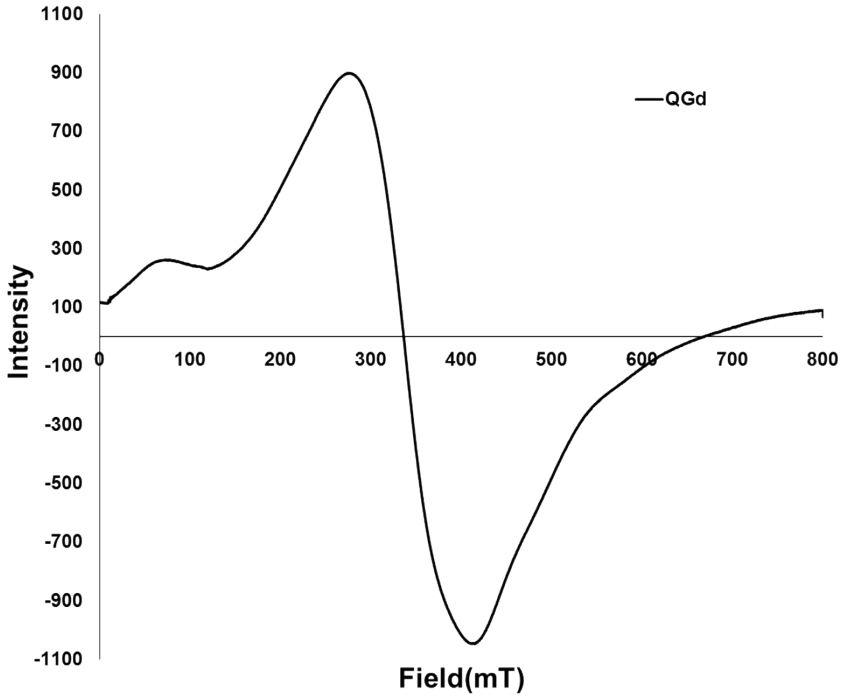

Figure S3. EPR spectrum of quercetin-gadolinium complex

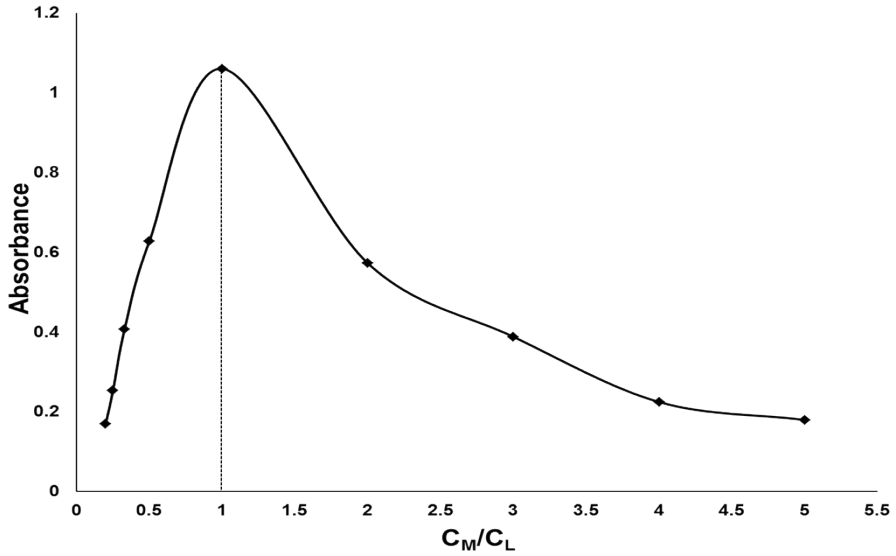

Figure S4A. The Mole-ratio plot for interaction of quercetin with gadolinium(III). The dotted line shows the 1:1 stoichiometry for QGd complex

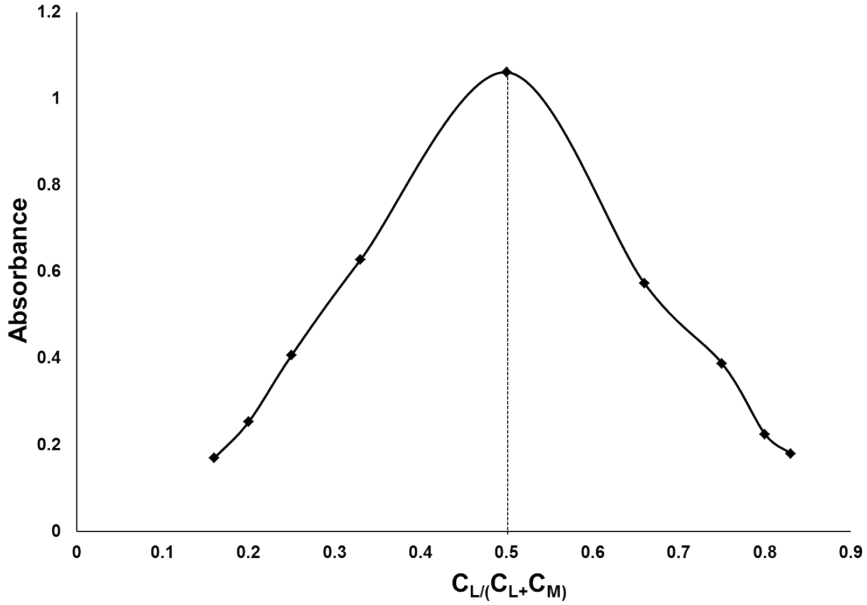

Figure S4B. Job's plot for quercetin and gadolinium(III) from UV spectra varying the proportion of [quercetin + gadolinium(III)] = $1x10^{-2}$ mol L^{-1} (constant for all measures) in DMSO. The dotted line shows 1:1 stoichiometry for QGd complex.

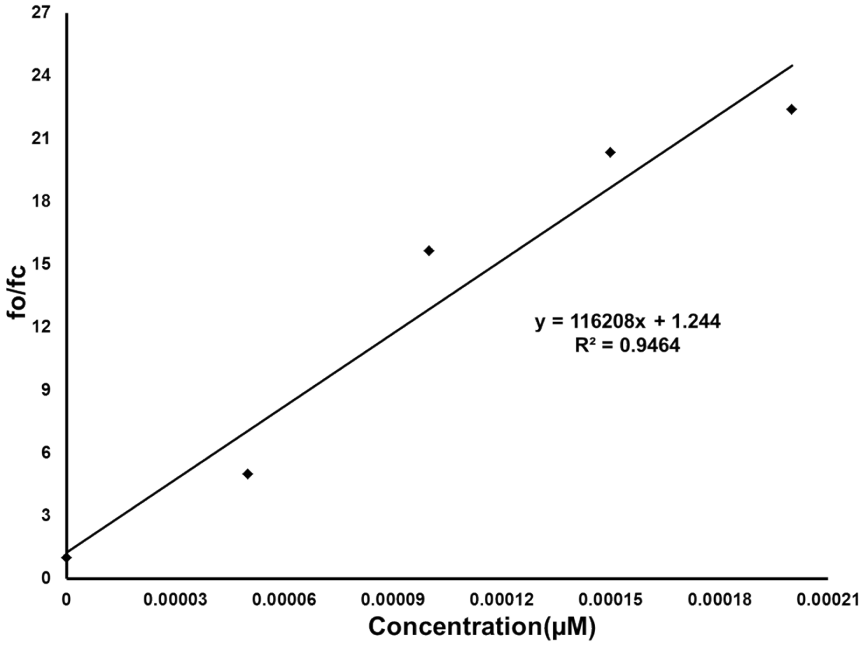

Figure S5. Stern-Volmer plot for quercetin-gadolinium(III) complex