

Electronic Supplementary Materials

Biophysical Insight into the Interaction of the Bioflavonoid Kaempferol with Triple and Double Helical RNA and Dual Fluorescence Behaviour of Kaempferol

Lucy Haque, Sutanwi Bhuiya, Richa Tiwari , Ankur Bikash Pradhan and Suman Das*

Department of Chemistry

Jadavpur University

Raja S. C. Mullick Road, Jadavpur

Kolkata 700 032

India

* To whom all correspondence should be addressed.

Tel.: +91 94 3437 3164, +91033 2457 2349

Fax: +91 33 2414 6266

E-mail:

SD: sumandas10@yahoo.com

LH: lucy.haque@gmail.com

SB: s.bhuiya12@gmail.com

RT: tiwariricha1992@gmail.com

ABP: ankurpradhan727@gmail.com

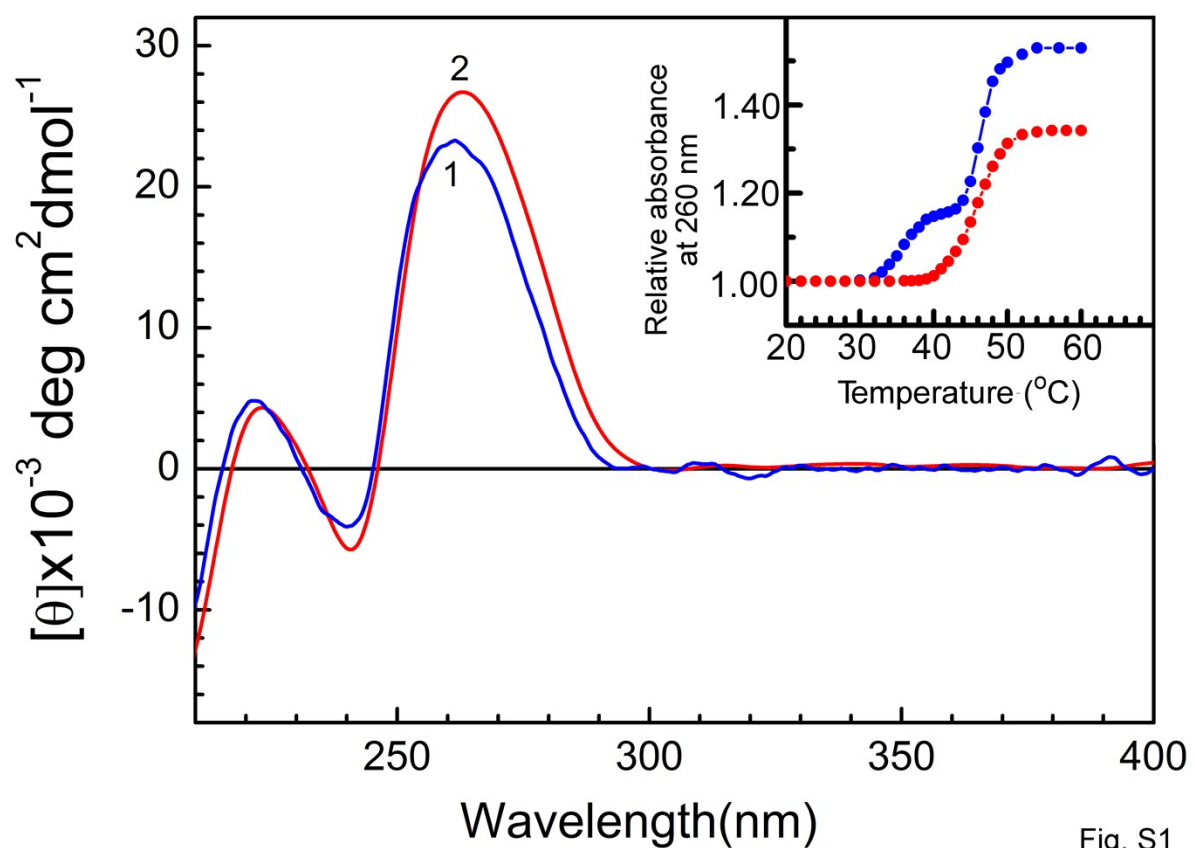


Fig. S1

Fig. S1. Characteristic circular dichroic spectra of U.A*U triplex (31.2 μM , curve 1) and A.U duplex (31.2 μM , curve 2) in SCH buffer at 20 °C. Inset: thermal melting profiles of U.A*U triplex (19.4 μM , ●) and A.U duplex (19.4 μM , ●) in SCH buffer.

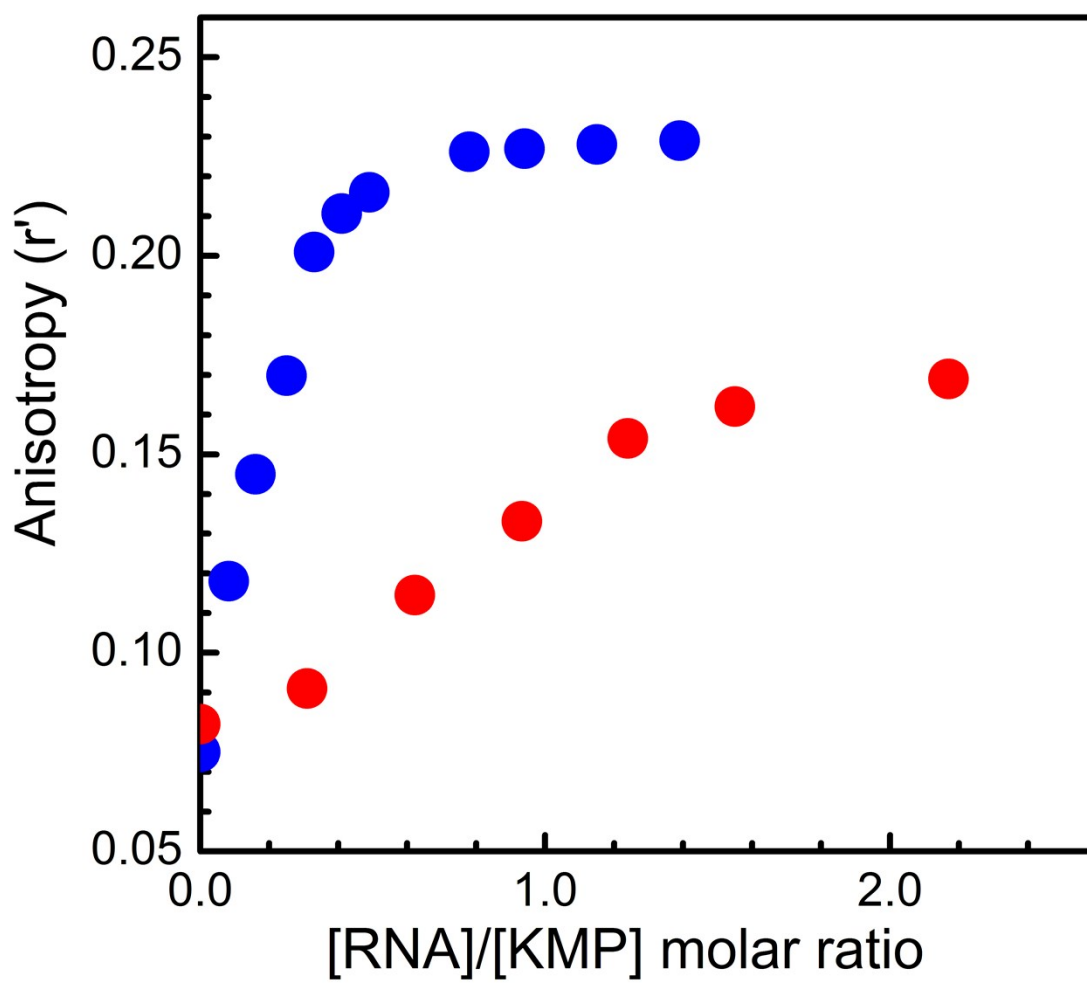


Fig. S2

Fig. S2. Polarization anisotropy values for the binding of KMP with U.A*U (●) and A.U (●) in SCH buffer at 20 °C.