

Supplementary information

A Glowing Antioxidant From Tasar Silk Cocoon

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Fourier transform infrared (FT-IR) spectroscopy:

Fourier transform infrared (FT-IR) spectroscopy of both quercetin and fluorophore showed similar absorbance in the region of aromatic C-H loop, alcohol C-O, aromatic C-C and alkene C=C bonds^{R1,R2}.

This analysis supported the presence of aromatic compounds in the fluorophore (**Fig. S1**).

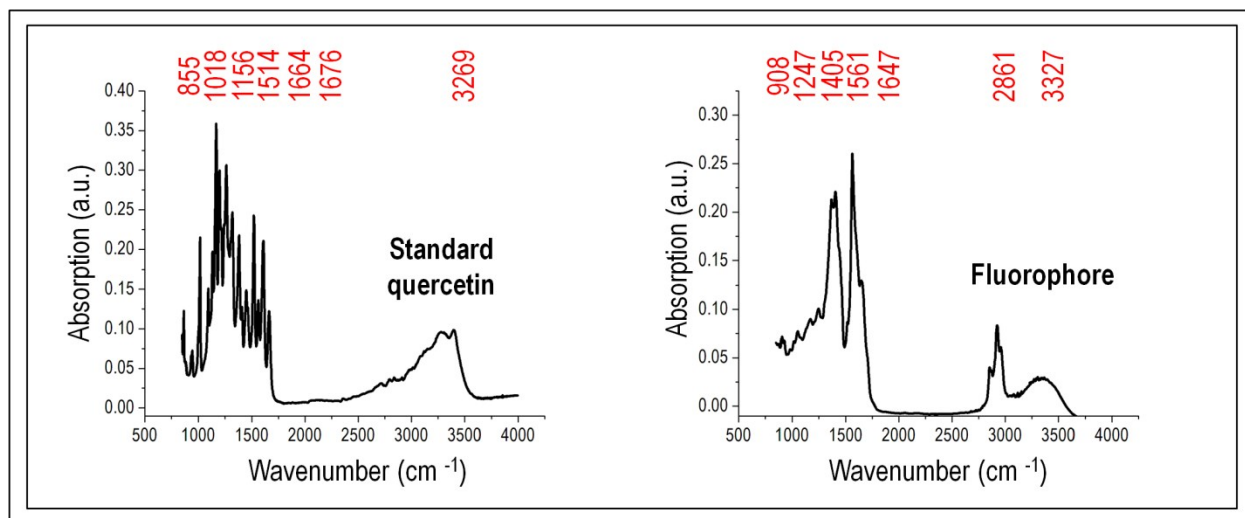


Figure S1. FT-IR spectroscopy of fluorophore and pure quercetin showing similar peaks in the region of aromatic C-H, C-C bond and alcohols.

References

- R1. S. Y. Kim, J. J. Gao, W. C. Lee, K. S. Ryu, K. R. Lee and Y. C. Kim, *Arch. Pharm. Res.*, 1999, **22**, 81.
- R2. Y. Han, S. Nishibe, Y. Noguchi and Z. Jin, *Phytochemistry*, 2001, **58**, 577.