

Supplementary Materials: Study of SH-SY5Y cancer cells response to treatment with polyphenol extracts using FT-IR spectroscopy

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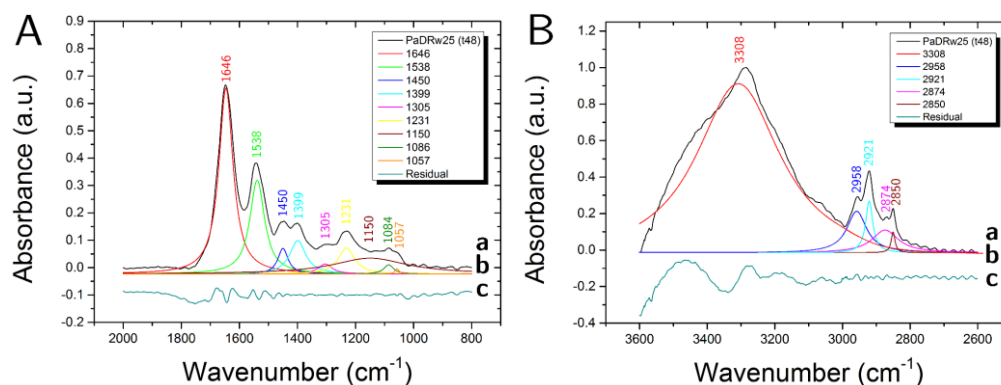


Figure S1. Average spectra of sample treated with a dose of 25 µg/ml of PaDRw for 48 hours (A, a) in the range [2000–800 cm⁻¹] and (B, a) [3600–2600 cm⁻¹] with (b) deconvolution analysis of peaks with Lorentzian curves (c) and fit residual.

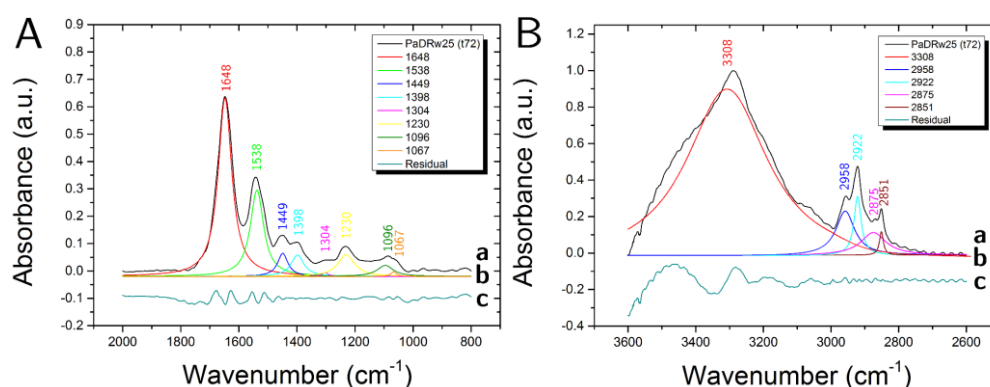


Figure S2. Average spectra of sample treated with a dose of 25 µg/ml of PaDRw for 72 hours (A, a) in the range [2000–800 cm⁻¹] and (B, a) [3600–2600 cm⁻¹] with (b) deconvolution analysis of peaks with Lorentzian curves and (c) fit residual.

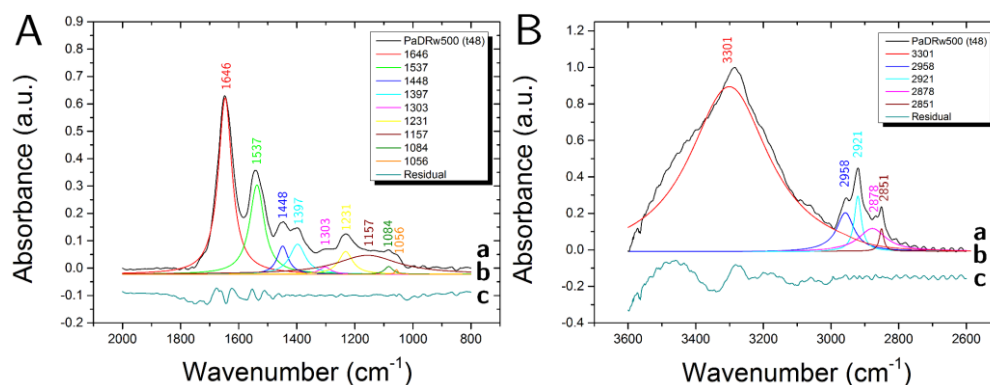


Figure S3. Average spectra of sample treated with a dose of 500 $\mu\text{g/ml}$ of PaDRw for 48 hours (A, a) in the range $[2000\text{--}800\text{ cm}^{-1}]$ and (B, a) $[3600\text{--}2600\text{ cm}^{-1}]$ with (b) deconvolution analysis of peaks with Lorentzian curves and (c) fit residual.

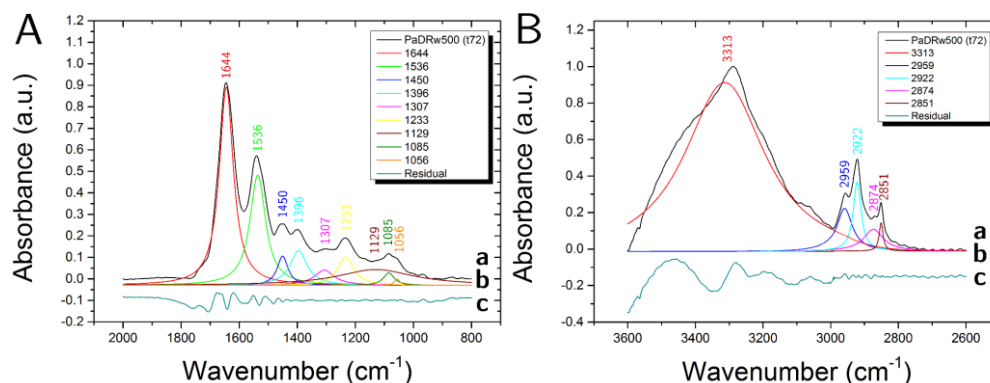


Figure S4. Average spectra of sample treated with a dose of 500 $\mu\text{g/ml}$ of PaDRw for 72 hours (A, a) in the range $[2000\text{--}800\text{ cm}^{-1}]$ and (B, a) $[3600\text{--}2600\text{ cm}^{-1}]$ with (b) deconvolution analysis of peaks with Lorentzian curves and (c) fit residual.

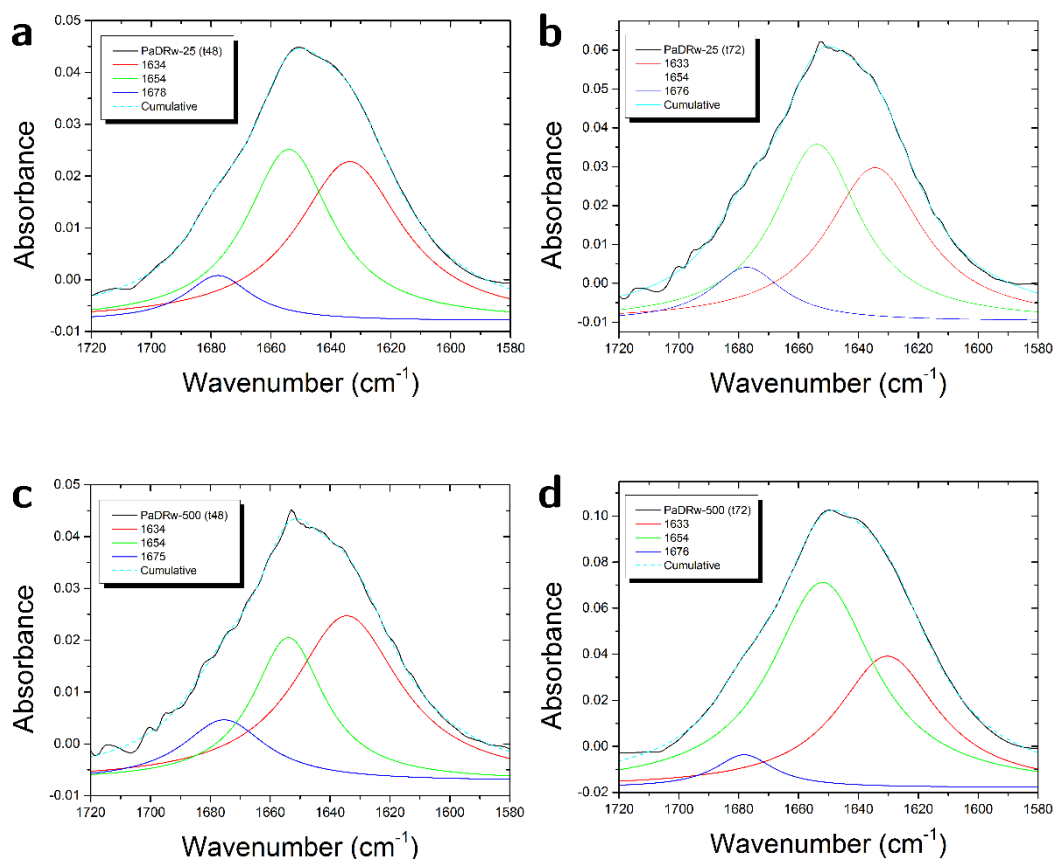


Figure S5. Deconvolution analysis of Amide I band (a) for cells exposed to the low dose of polyphenol extract at 48 h and (b) 72 h; (c) and (d) the same for cells exposed to the high dose of polyphenol extract.

