

Supplementary Materials

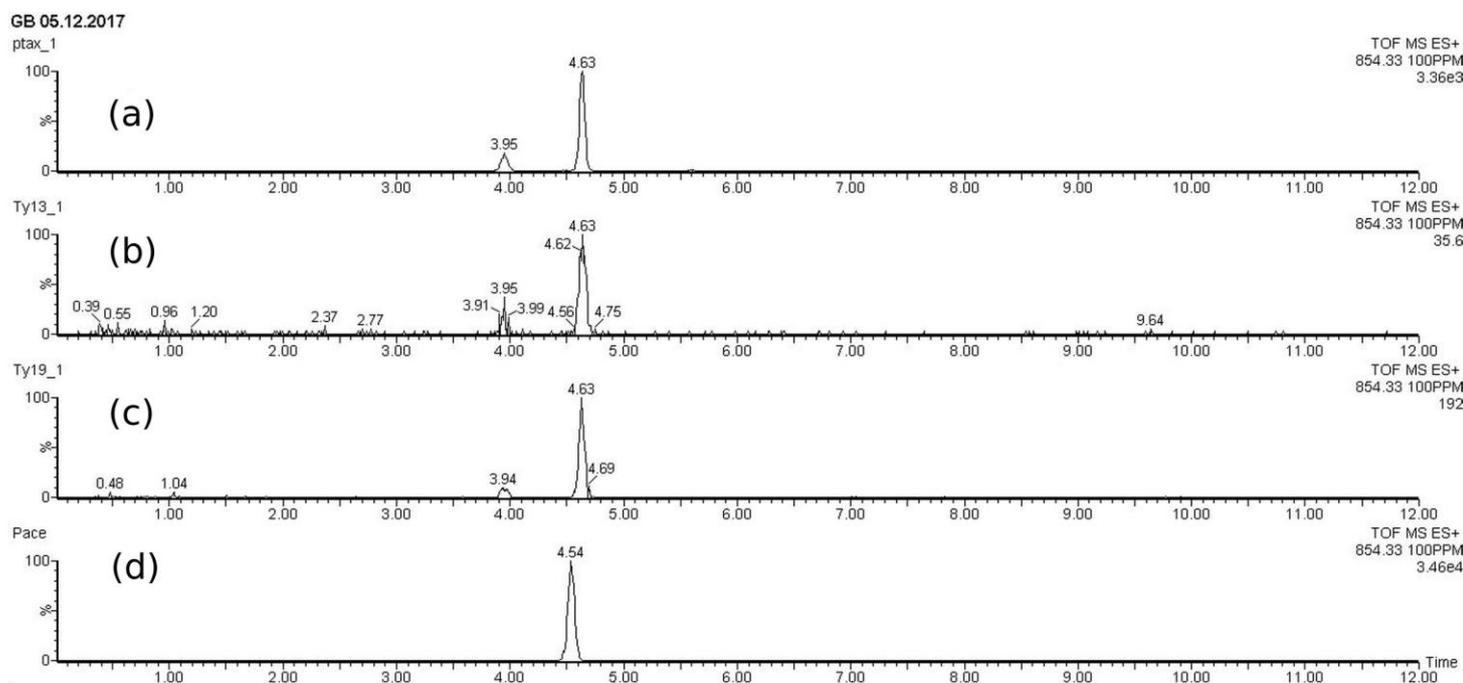


Fig. S1. UPLC-ESI-MS chromatograms (extracted ion chromatograms for m/z 854.3 corresponding to $[M+H]^+$ for paclitaxel) of methanolic extracts from biomass of *Taxus wallichiana* suspension cell culture and solutions of standard samples of paclitaxel: (a) – sample of paclitaxel isolated from the bark of *T. cuspidata*; (b) – methanolic extract from biomass of *T. wallichiana* «young» suspension cell culture, flasks, 28 days, control without elicitation; (c) – methanolic extract from biomass of *T. wallichiana* «young» cell suspension culture, flasks, day 28, 7 days after MeJ elicitation (final concentration 100 μ M); (d) – paclitaxel standard sample purchased from Sigma (USA). Axes: X – time, min; Y – detector signal, relative intensity, %.

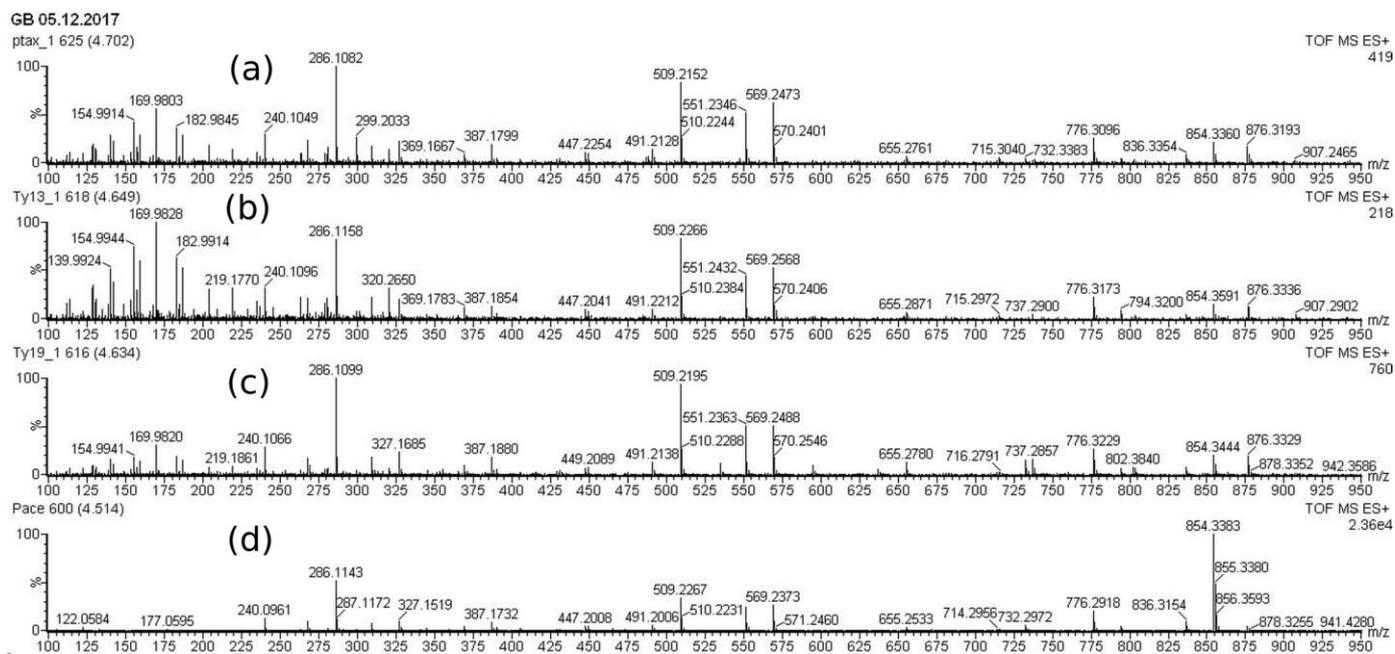


Fig S2. MS spectra (positive ions) of the peaks corresponding to paclitaxel on UPLC-ESI-MS chromatograms of methanolic extracts from biomass of *Taxus wallichiana* suspension cell culture and solutions of standard samples of paclitaxel in Fig. S1: **(a)** – sample of paclitaxel isolated from the bark of *T. cuspidata*; **(b)** – methanolic extract from biomass of *T. wallichiana* «young» suspension cell culture, flasks, 28 days, control without elicitation; **(c)** – methanolic extract from biomass of *T. wallichiana* «young» suspension cell culture, flasks, day 28, 7 days after MeJ elicitation (final concentration 100 μ M); **(d)** – paclitaxel standard sample purchased from Sigma (USA). Axes: X – m/z; Y – detector signal, relative intensity, %.

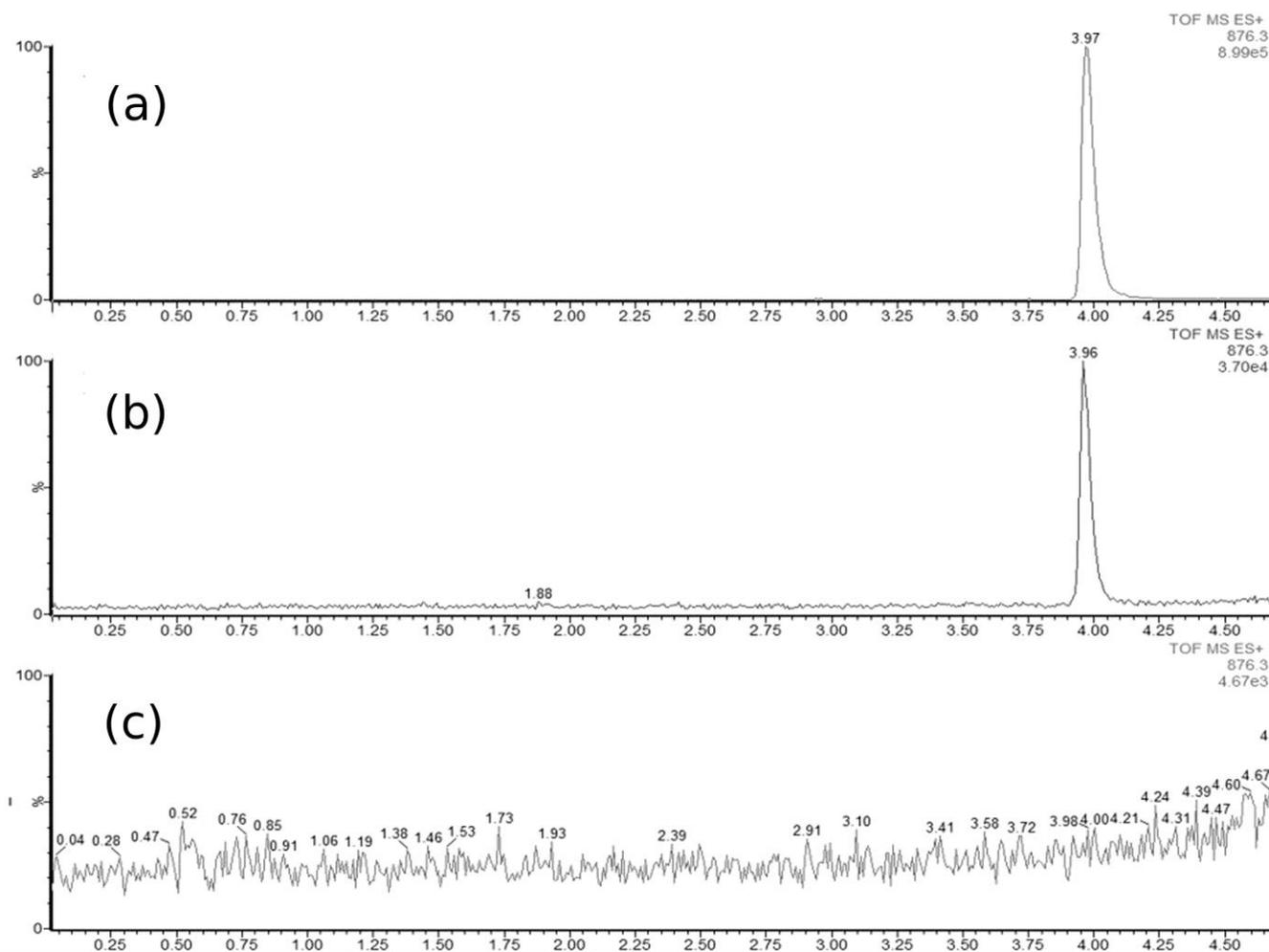


Fig. S3. UPLC-ESI-MS chromatograms (extracted ion chromatograms for m/z 876.3 corresponding to $[M+Na]^+$ for paclitaxel) of methanolic extracts from biomass of *Taxus wallichiana* «old» cell suspension culture and solution of paclitaxel standard sample: **(a)** – paclitaxel standard sample purchased from Sigma (USA); **(b)** – methanolic extract from biomass of *T. wallichiana* suspension cell culture, flasks, day 28, 7 days after MeI elicitation (final concentration 100 μ M); **(c)** – methanolic extract from biomass of *T. wallichiana* cell suspension culture, flasks, day 28, control without elicitation. Axes: X – time, min; Y – detector signal, relative intensity, %.