Supporting Information

Bioactivity-guided Isolation of 1,2,3,4,6-Penta-*O*-galloyl-D-glucopyranose from *Paeonia lactiflora* roots as a PTP1B Inhibitor

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Figure S1. Inhibitory action of subfractions of the methanol extract of *P. lactiflora* roots (PLR) on PTP1B. After separation with Sephadex LH-20 column the obtained 11 fractions of PLR were tested at 10 $\mu\text{g/mL}$ concentration for their activity on PTP1B. Positive controls were UA (30 μM) and SOV (3 μM). Final DMSO concentration was 1%. Mean activity of fractions was determined as % of DMSO control (Co) set to 100%. ($n=3$)

Figure S2. HPLC trace of the crude methanol extract of *P. lactiflora* roots.

The major isolated constituents are (A) paeonol, (B) paeoniflorin and (C) indicates 1,2,3,4,6-penta-*O*-galloyl-D-glucopyranose with an average retention time (R_t) of 15.51 min ($n = 5$).

LC-Method: Synergi MAX-RP 100A (50 x 3.0 mm; 2.5 μ m);

H₂O (A) / ACN (B); gradient: 95A / 5B in 20 min to 75A / 25B in 5 min to 62A/38B; flow: 1 ml/min; temp.: 25 °C.