Supplemental Information

Gold Nanoparticles Functionalized with Peptides for Specific Affinity Aggregation Assays of Estrogen Receptors and Their Agonists

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Received: 26 March 2012; in revised form: 9 April 2012 / Accepted: 16 April 2012 / Published: 18 April 2012

Synthesized FP1 were confirmed by HPCL and MALDITOF MS (Figures S1 and S2).

Figure S1. HPLC analysis of synthesized FP1 using XTerra MS C18 (4.6 × 150 mm × 3 μm) with UV detect at 220 nm (Linear gradients between 0% CH_3CN and 100% H_2O to 75% CH_3CN and 25% H_2O in 15 min at a flow rate of 2 mL/min).

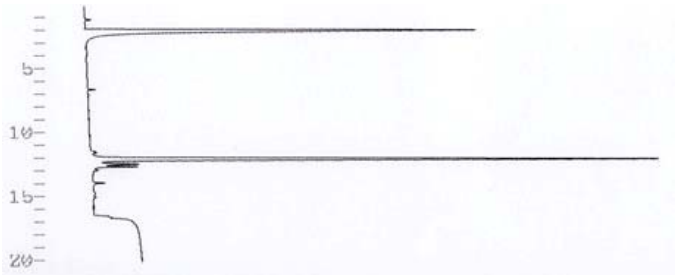
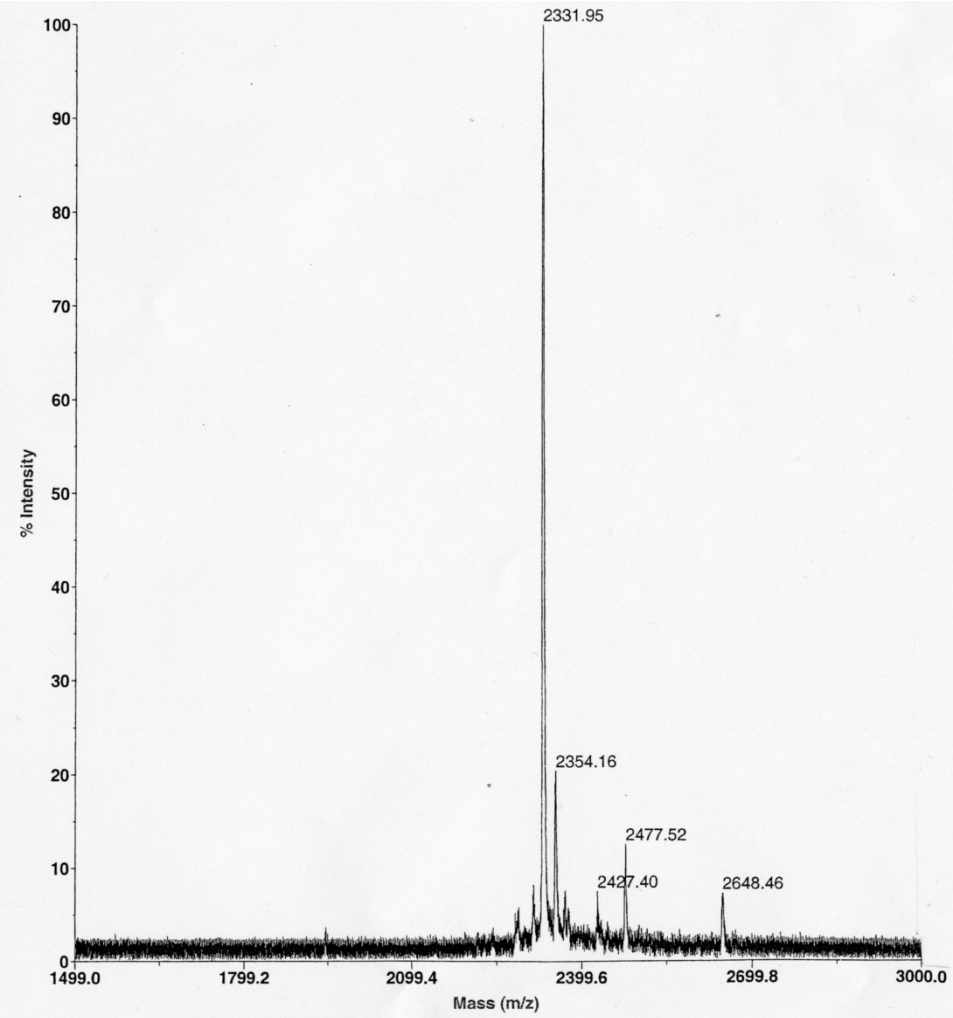


Figure S2. MALDI TOFMS spectrum of synthesized FP1 with α-cyano-4-hydroxycinnamic acid.



Synthesized FP2 were confirmed by LCMS (Figures S3 and S4).

Figure S3. HPLC analysis of synthesized FP2 using XTerra MS C18 (4.6 × 150 mm × 3 μm) with UV detect at 220 nm (Linear gradients between 0% CH_3CN and 100% H_2O to 40% CH_3CN and 60% H_2O in 15 min at a flow rate of 2 mL/min).

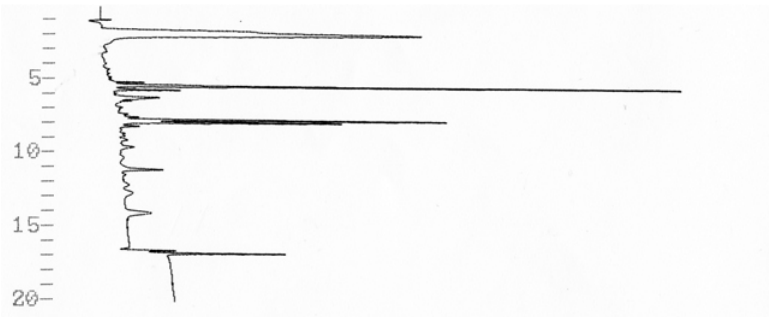


Figure S4. LCMS spectrum of synthesized FP2 with API 150EX (AB SCIEX).