SUPPLEMENTARY DATA FOR:

Convergent Synthesis of Thioether Containing Peptides

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Figure S1. Analytical hplc of thioether containing peptides 16 and 17; Column: Lichroshere RP-8, 5 μm, 4 x 150 mm; flow rate: 1 mL/min; gradient: from 20 to 100% acetonitrile in water within 30 min; detection at 265 nm.

Figure S2. Analytical hplc of Fmoc-Leu-alaninothiol prepared by coupling of Fmoc-Leu-OH on the Trt-resin 19 (m = 1; R’ = CH3) and subsequent cleavage by DTT (A) and TES (B); Column: Nucleosil C8, 7 μm, 4 x 125 mm; flow rate: 1 mL/min; gradient: from 50 to 100% acetonitrile in water within 30 min; detection at 265 nm.
Figure S3. Analytical hplc (A) and ESI-MS analysis (B) of thiol-peptide 21 (ProTa (69-75) derivative), and analytical hplc (C) and ESI-MS analysis (D) of thiol-peptide 22 (Hir (11-18) derivative), synthesized on Trt-resin 19 (R’ = CH₃ (21); -CH₂-Ph (22)); Column: Nucleosil C8, 7 μm, 4 × 125 mm; flow rate: 1 mL/min; gradient: from 50 to 100% acetonitrile in water within 30 min; detection at 265 nm.
Figure S4. Analytical hplc of 26; Column: Nucleosil C8, 7 μm, 4 × 125 mm; flow rate: 1 mL/min; gradient: from 50 to 100% acetonitrile in water within 30 min; detection at 265 nm.

Figure S5. Analytical hplc during reaction of 27 and 28 at 2 h (a) and 24 h (b). The reaction process was monitored by following the peaks of the desired product 30 and the un-reacted 31 after their cleavage from resin; Column: Nucleosil C8, 7 μm, 4 × 125 mm; flow rate: 1 mL/min; gradient: from 50 to 100% acetonitrile in water within 30 min; detection at 265 nm; ESI-MS analysis of 30 (c).