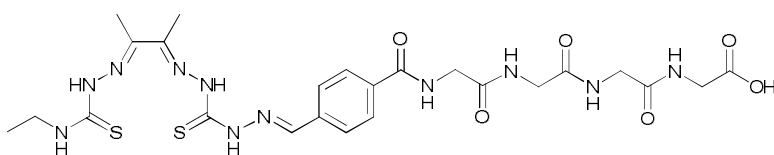


Electronic Supplementary Information

Bis(thiosemicarbazones) as bifunctional chelators for the room-temperature 64-copper labeling of peptides and proteins

Rebekka Hueting,^{a,c} Martin Christlieb,^{*c} Jonathan R Dilworth,^{*a} Elisa García Garayoa,^b Véronique Gouverneur,^a Michael W Jones,^a Veronique Maes,^d Roger Schibli,^b Xin Sun,^a and Dirk A. Tourwé^d

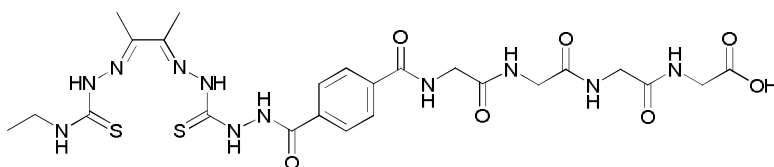
Amino Acid Conjugation and Extended Linkers



11a-GlyGlyGly

Figure S1a

HRMS (ESI): (M-H)⁻ calcd for C₂₄H₃₂N₁₁O₆S₂⁻ 634.1973; found 634.1982



11c-GlyGlyGly

Figure S1b

HRMS (ESI): (M-H)⁻ calcd for C₂₂H₂₉N₁₀O₆S₂⁻ 593.1718; found 593.1701

Radiolabeling-^{99m}Tc

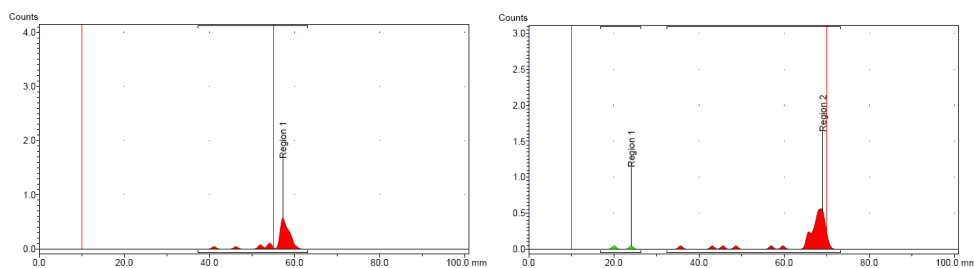


Figure S2 Radio-TLCs of 9b (left) and 13c (right) after Sep-Pak C18 column purification

In-vitro Internalisation Assay

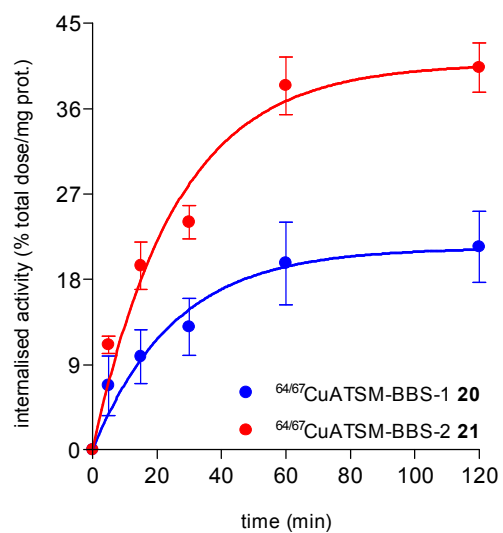


Figure S3 Time course internalisation of the $^{64/67}\text{Cu}$ -labeled analogues in PC-3 cells. The percentage of internalised activity is given relative to the total activity added to the cells.