Figure legends

Supplementary Figure 1  **Evaluation of iMSTIQ in quantifying crude peptides spiked in human glyco-plasma.** Plots of log (LH/HL) vs. the known amount of LH peptide (log scale) for each of 8 examined peptides. We estimated the amount \( h \) of the crude HL peptide by fitting \( \log_{10}(LH/HL) = \log_{10}(LH) - h \) (dotted line) to the data with LH ≥ 3 fmol (filled circles; \( h \) is shown as the mean estimate, with a range of 2 standard deviations transformed to the linear scale, \( h = 10^\mu, (10^{\mu-2\sigma} \leq h \leq 10^{\mu+2\sigma}) \)). *for peptide DGQLLPSSDYNIK, \( h \) was not within the linear range and therefore may not be accurate.

Supplementary Figure 2  **Chemical structures of the t-BOC-Alanine-NHS reagents used as alternative MSTIQ labeling reagents.**
Suppl. Fig. 2  \textit{tBOC-Ala-NHS}