Electronic Supplementary Material (ESI) for RSC Advances.

Supplemental Information

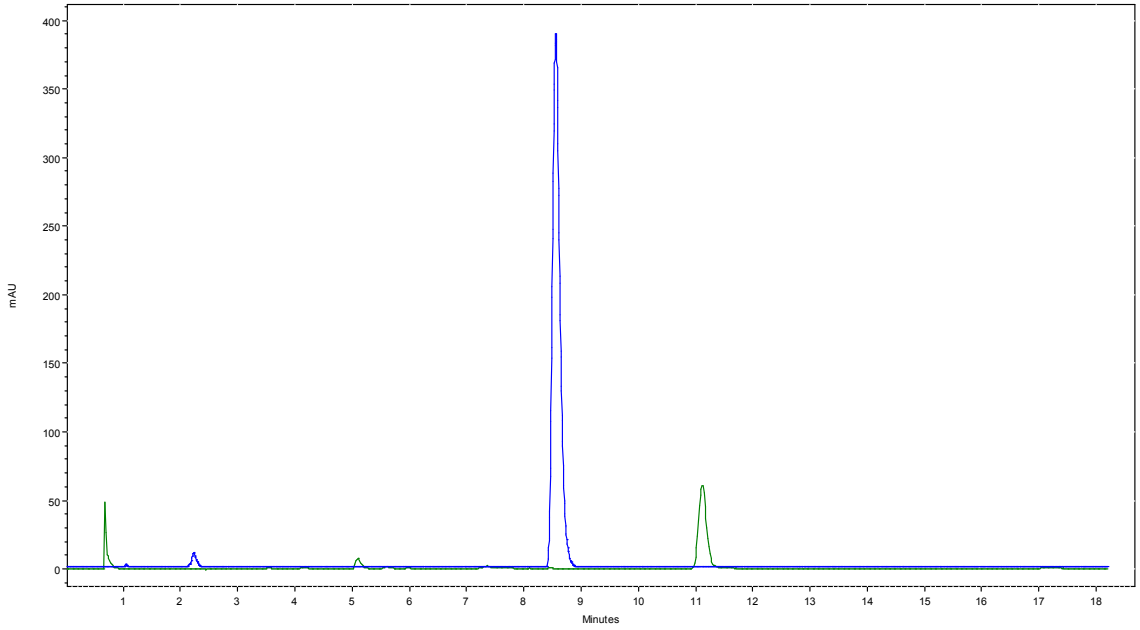

Figure 1: RadioHPLC chromatogram of [^{18}F]F-Py-TFP prosthetic group. Radioactive peak is in blue, and UV at 254 is in green.

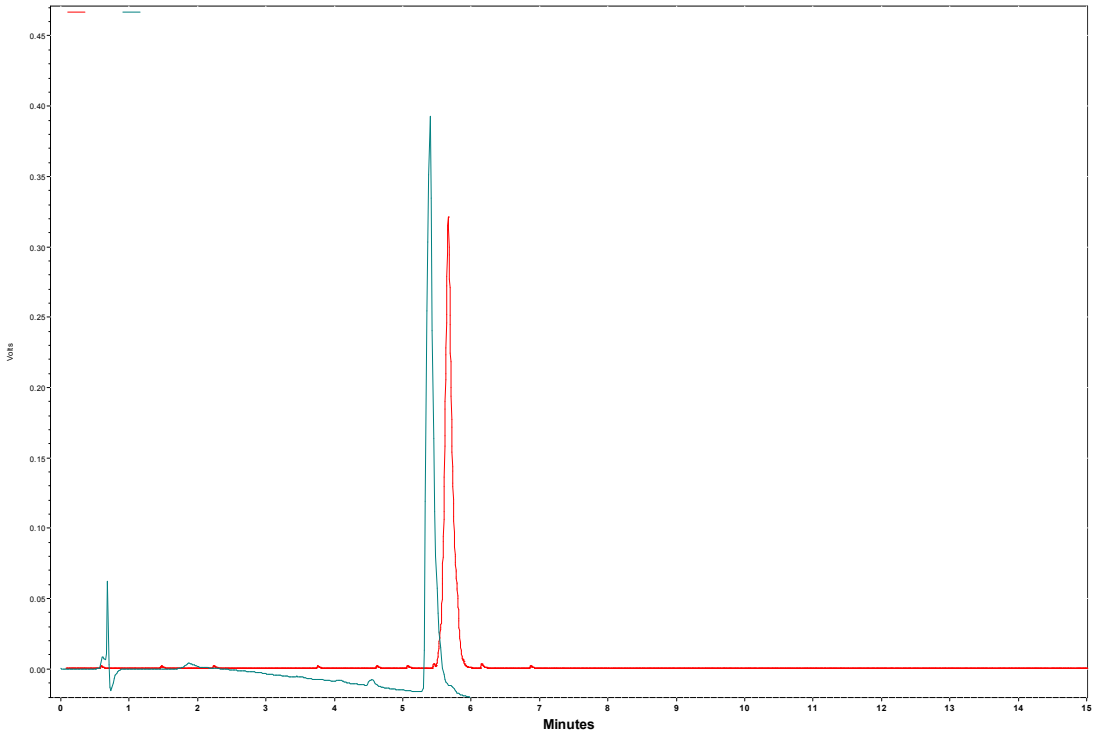

Figure 2: RadioHPLC chromatogram of purified [^{18}F]F-Py-YGGFL, spiked with [^{19}F]cold standard. Red is radioactive peak, green is UV at 254nm

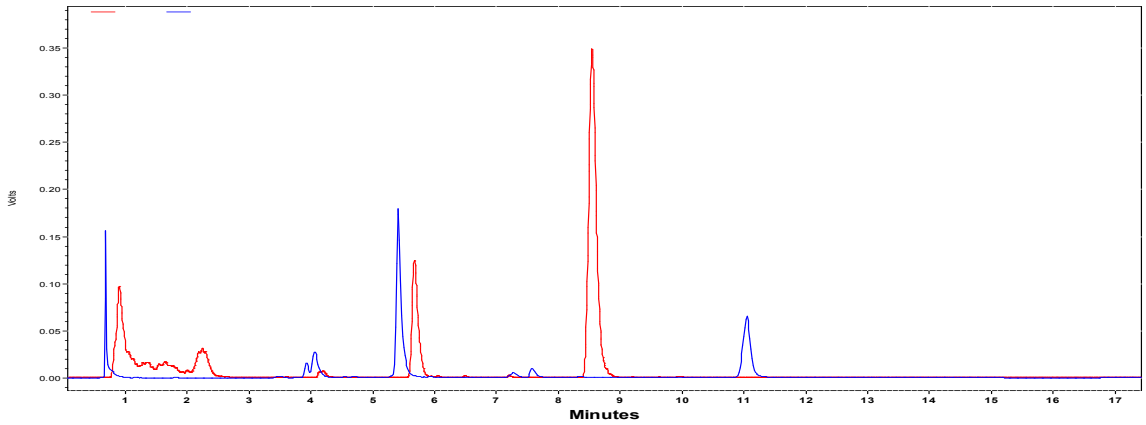

Figure 3: RadioHPLC chromatogram of crude radiolabeled peptide with cold standard co-injection. Red trace is radioactive trace, and blue is UV at 254 nm. C18 column with 9-81% acetonitrile in 0.05% TFA/water over 18 min gradient was used. Initial peak at solvent front corresponds to hydrolyzed [^{18}F]F-Py-TFP ([^{18}F]fluoronicotinic acid), peak at 2 min corresponds to unreacted ^{18}F-fluoride, peak at 5.5 min corresponds to [^{18}F]F-Py-TFP-YGGFL, and 8.5 min peak corresponds to unreacted [^{18}F]F-Py-TFP.

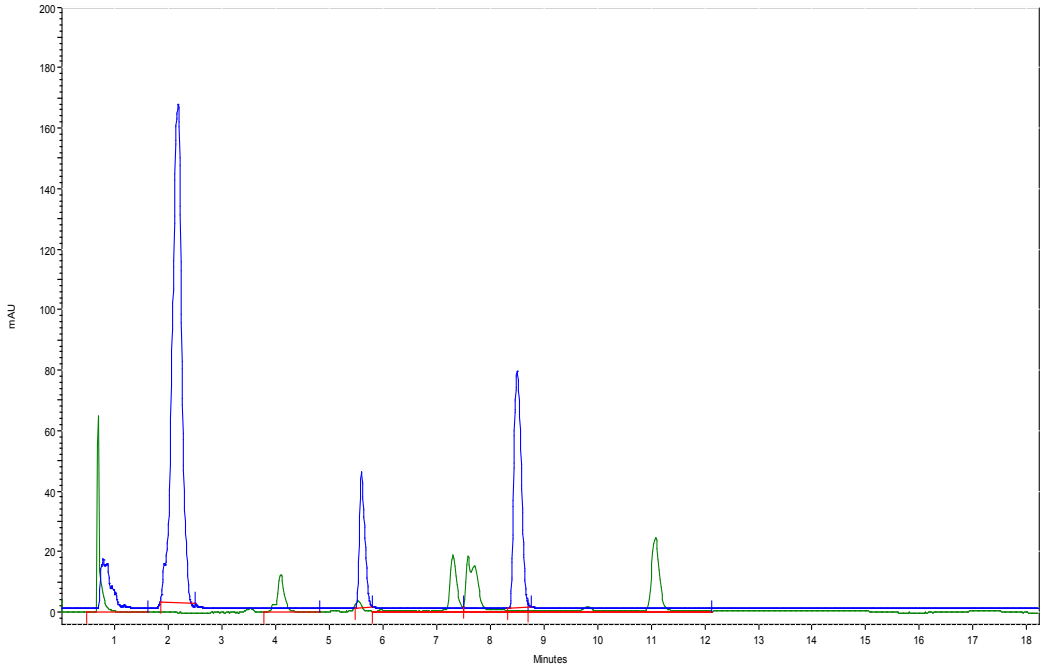

Figure 4: RadioHPLC chromatogram of crude radiolabeled peptide reaction without cold co-injection