

## Supplementary Information

### Evaluation of [<sup>18</sup>F]AlF-NOTA-EMP-105 for Molecular Imaging of C-Met

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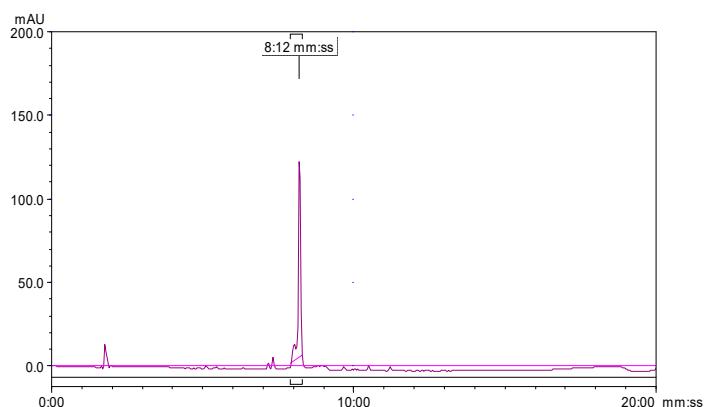
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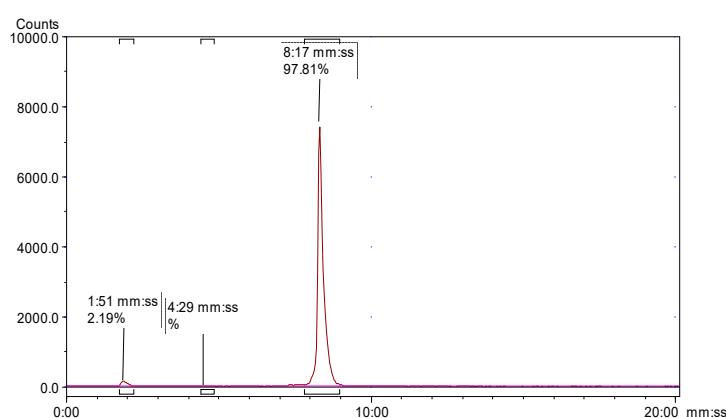
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### Radiochemistry

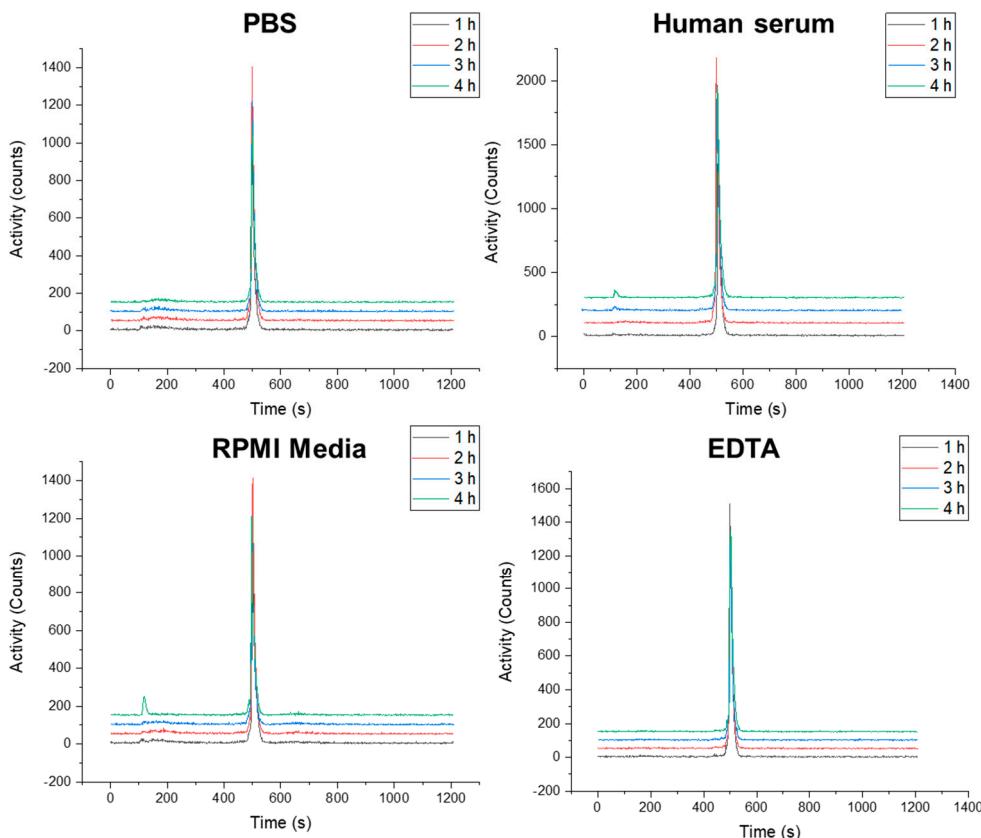


**Figure S1:** Reference UV-HPLC chromatogram of NOTA-EMP-105



**Figure S2:** Radio-HPLC chromatogram of purified [<sup>18</sup>F]AlF-NOTA-EMP-105

### *In vitro* stability studies

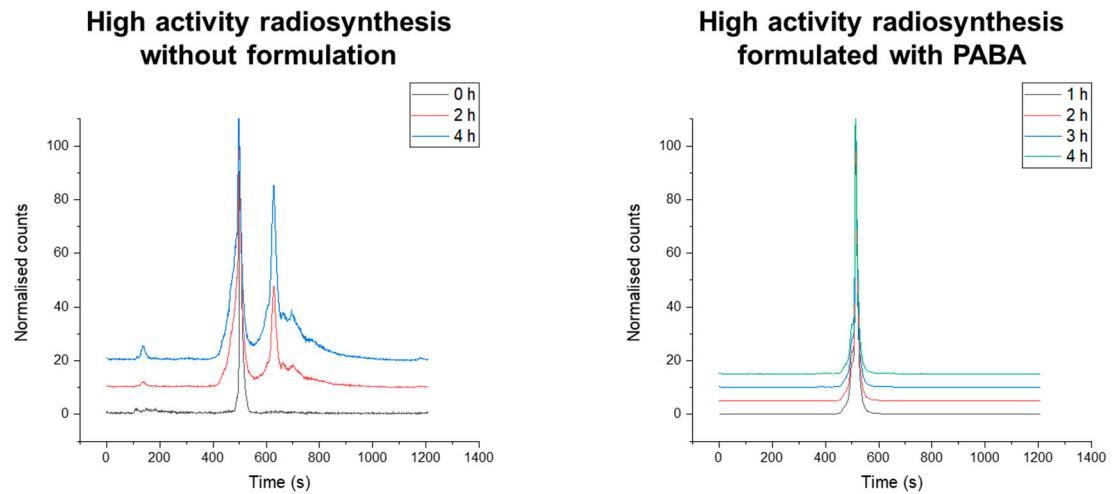


**Figure S3:** Stacked radio-HPLC chromatograms of [<sup>18</sup>F]AIF-NOTA-EMP-105 after incubation in PBS, human serum, RPMI media and EDTA at 37 °C

**Table S1:** Percentage of [<sup>18</sup>F]AIF-NOTA-EMP-105 remaining after incubation at 37 in PBS, human serum, RPMI media and EDTA °C.

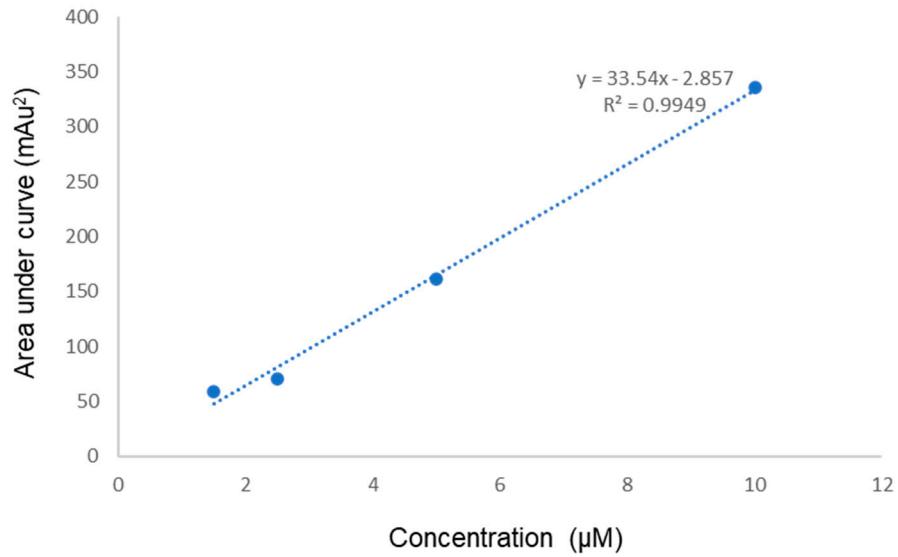
Time (h)	PBS (%)	Human Serum (%)	RPMI (%)	EDTA (%)
1	98	99	97	99
2	97	99	97	99
3	95	98	97	98
4	95	97	92	98

## Radiolysis tests



**Figure S4:** Stacked radio-HPLC chromatograms of >2 GBq of [<sup>18</sup>F]AlF-NOTA-EMP-105: Left: eluted from cartridge or; Right: formulated in PBS solution containing 5 mg/mL (10 mL) of PABA (4-aminobenzoic acid) and 7.5% EtOH.

## Calibration curve for molar activity determination



**Figure S5:** Calibration curve for molar activity calculation, obtained using EMP-105. Data expressed as mean of 3 replicates.