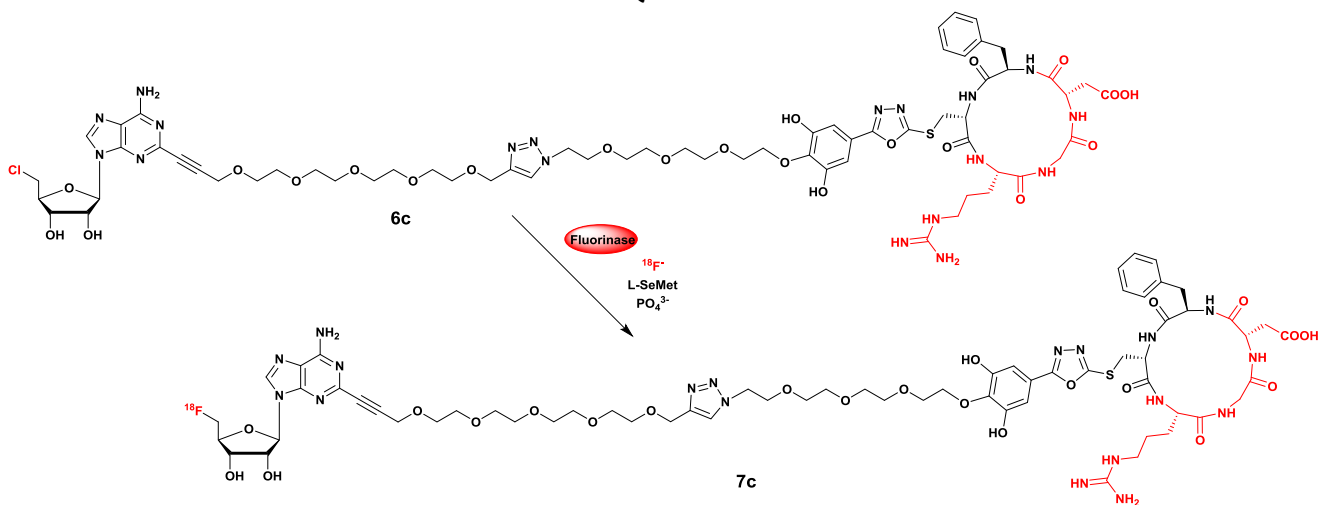


ZSJQZ009



Compound	Amount	Final conc.
Fluorinase enzyme	120 μL	40 mg/mL
L-SeMet (2mM in water)	30 μL ,	
6c	0.3 mg, 160 nmol	
^{18}F in PO_4^{3-} buffer (50 mM)	110 μL	1600 MBq @12:31

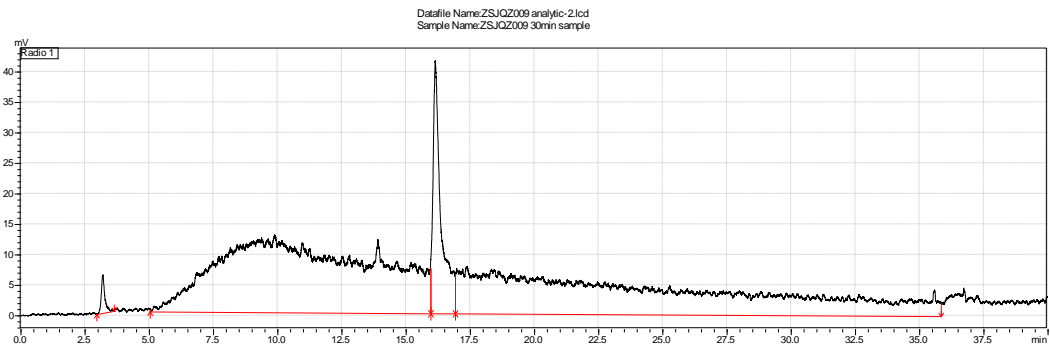
12:31 start incubation 37°C
 13:01 2 μL diluted to 200 μL with PO_4 Buffer, boiled at 95°C for 5 min and spinned at 13500 rpm for 5 min. 20 μL of the supernatant (2 MBq)
 13:38 reaction mixture was boiled at 95°C for 5 min. After that, the eppendorf was spinned at 13500 rpm for 5 min.
 Final activity 1040 MBq

Approx. 200 μL of supernatant (360 MBq) was injected in the semiprep HPLC but NO desired product peak was observed and consequently nothing was collected.

Probably substrate was not soluble.

Peak observed in the analytical HPLC was probably observable because $^{18}\text{F}^-$ was trapped in the HPLC column.

analytical HPLC 30 min



Semiprep HPLC 60 min

