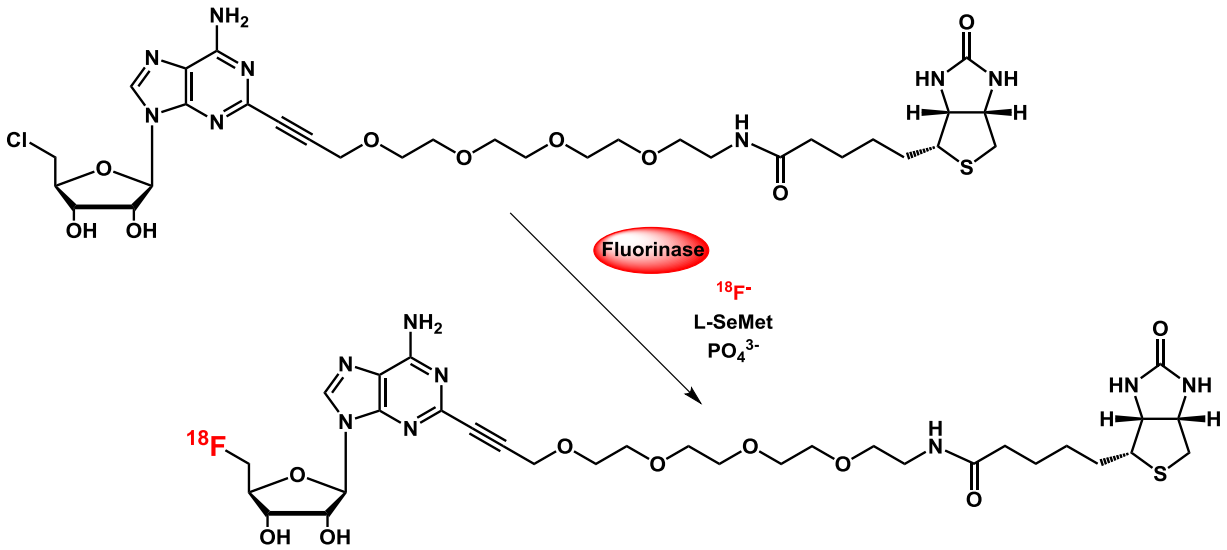
26-08-2016

ZSJPL002



Compound	Amount	Final conc.
Fluorinase enzyme	5 mg in 110 µL water (PO_4^{3-} buffer, 50 mM), 174 nmol	20 mg/mL 0.62 mM
L-SeMet (2mM in water)	40 µL, 80 nmol	0.32 mM
Biotin-ClDA	0.4 mg, 540 nmol	2.34 mM
^{18}F in O18 Water	100 µL	131 MBq, @13:26

Activity produced for ZSJPL001 used also for this experiment

13:41 start incubation 37°C (108.5 MBq)

14.16 10 µL sample diluted to 100 µL with water, boiled at 95°C for 5 min and spinned at 13500 rpm for 5 min. 20 µL of the supernatant (0.43 MBq) was injected in the HPLC

14:41 reaction mixture was boiled at 95°C for 5 min (73.1 Mbq @ 14.41). After that 250 µL of water were added and the eppendorf was spinned at 13500 rpm for 5 min.
20 µL of the supernatant was injected in the HPLC

Signal of the desired product was observed.