

¹⁸ F ⁻ source	QMA Eluent	Phase transfer catalyst (mg)	Reaction time (min)	Temp. (°C)	Precursor Amount (μL)	Radiochemical yield* (%)
KF	K ₂ CO ₃	K[2.2.2] (7.6)	10	80	0.1	0
TBAF	TBANO ₃	-	10	80	0.1	84
NaF	NaCl	15C5 (23)	1	90	10	58
NaF	NaCl	15C5 (23)	1	90	1	16
NaF	NaCl	15C5 (23)	1	90	0.1	19
NaF	NaCl	15C5 (23)	1	90	0.01	9
NaF	NaCl	15C5 (23)	1	90	0.001	0
NaF	NaCl	15C5 (23)	1	90	0.0001	0
NaF	NaCl	15C5 (23)	10	80	0.1	86
NaF	NaCl	15C5 (23)	10	70	0.1	83
NaF	NaCl	15C5 (23)	10	55	0.1	52
NaF	NaCl	15C5 (23)	10	40	0.1	20
NaF	NaCl	15C5 (23)	5	80	0.1	71
NaF	NaCl	15C5 (23)	10	80	0.1	70
NaF	NaCl	15C5 (23)	15	80	0.1	79
NaF	NaCl	15C5 (23)	20	80	0.1	90
NaF	NaCl	15C5 (23)	30	80	0.1	68
NaF	NaCl	15C5 (46)	5	80	0.1	75
NaF	NaCl	-	5	80	0.1	50

Reaction conditions tested, and RCY obtained under each set of conditions, during optimisation of radiochemistry *non-isolated, measured by TLC of the crude product