

SUPPLEMENTAL INFORMATION

Radiochemical synthesis and evaluation in nonhuman primates of 3-[¹¹C]methoxy-4-aminopyridine: a novel PET tracer for K_v1 channels

Authors

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SUPPLEMENTAL TABLES

Supplemental table 1. Experimental conditions and yield

Precursor (μmol)	NaOH (μmol)	Solvent (300 μL)	Water (μL)	Temp ($^{\circ}\text{C}$)	Time (min)	RCC* (%)
18	1.5	DMF:DMSO (1:2)	3	RT	3	13
18	3	DMF:DMSO (1:2)	3	RT	3	29 \pm 2 (n = 4)
18	25	DMF:DMSO (1:2)	3	80	1	40 \pm 17 (n = 3)
18	25	DMSO	3	RT	3	33
18	35 (KOH)	DMSO	-	80	1	80 \pm 8 (n = 3)
18	24	DMSO	-	80	3	42
18	24	DMSO	4	80	3	35 \pm 7% (n = 4)
18	75	DMSO	0	80	3	42% (n = 1)
18	32	DMSO	4	80	3	14 \pm 3% (RCY, n = 3)

* Calculated from radioHPLC chromatogram of reaction mixture

SUPPLEMENTAL FIGURES

Supplemental Figure 1. Radiochromatograms of plasma (PL) samples obtained at different times post injection from a representative study.

