

Supporting Information

Design and Synthesis of 2-Amino-4-methylpyridine Analogues as Inhibitors for Inducible Nitric Oxide Synthase and *in vivo* Evaluation of [¹⁸F]6-(2-Fluoropropyl)-4-methyl-pyridin-2-amine as a Potential PET Tracer for Inducible Nitric Oxide Synthase

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Compound	Molecular formula	C (%)		H (%)		N (%)	
		Calcd.	Found	Calcd.	Found	Calcd.	Found
9	$C_9H_{13}FN_2$	64.26	64.17	7.79	7.86	16.65	16.75
11	$C_{11}H_{14}N_2O_4$	55.46	55.05	5.92	5.87	11.76	11.37
13	$C_{12}H_{18}N_2O_5$	53.33	53.82	6.71	6.80	10.36	10.57
15	$C_{11}H_{17}FN_2O$	62.24	61.67	8.07	8.05	13.20	13.26
16	$C_{10}H_{16}N_2O$	65.03	65.03	8.49	8.49	16.85	16.84
18	$C_{11}H_{15}FN_2O_4$ (oxalate)	51.16	51.89	5.85	5.97	10.85	11.12
20	$C_{12}H_{17}FN_2O_4$	52.94	53.03	6.29	6.32	10.29	10.36
24	$C_{12}H_{16}N_2O_4$ (oxalate)	57.13	58.22	6.39	6.61	11.10	11.36
27	$C_{12}H_{20}N_2O$	69.19	67.99	9.68	9.58	13.45	13.55
30	$C_{13}H_{19}FN_2O_4$ (oxalate)	54.54	54.83	6.69	6.75	9.78	9.65
33	$C_{14}H_{22}N_2O_4S$ (oxalate)	53.48	53.39	7.05	7.02	8.91	8.79
38	$C_{15}H_{24}N_2O_5S$	52.31	52.43	7.02	7.08	8.13	8.16