Supporting Information

Discovery and Evaluation of 2-Anilino-5-Aryl-Oxazoles as a Novel Class of VEGFR2 Kinase Inhibitors

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Table: Elemental Analysis/HRMS, LCMS and HPLC Determinations

Cpd	Elemental Analysis / HRMS	LCMS ES^+ m/z, MH^+ (t_R min.)	HPLC Method A t_R min. (Purity)	HPLC Method B t_R min. (Purity)
5	$C_{15}H_{12}N_2O$ Theory C 76.25, H 5.12, N 11.86 Found C 76.13, H 5.14, N 11.89	237 (10.4)	24.3	11.4
8	$C_{16}H_{11}N_3O$ 0.2 HCO_2H Theory C 71.94, H 4.25, N 15.54 Found C 72.00, H 4.17, N 15.54	262 (5.2)		4.7
9	HRMS calcd for $C_{16}H_{15}N_2O_2$ (MH^+) 267.11300, found 267.11250	267 (10.8)	25.2 (99.4%)	
10	$C_{16}H_{11}N_3O.0.1\ H_2O$ Theory C 73.05, H 4.29, N 15.97 Found C 73.15, H 4.23, N 15.88	262 (10.2)		11.8
11	HRMS calcd for $C_{21}H_{17}N_2O_2$ (MH^+) 329.1290, found 329.1290	329 (11.6)	30.4 (99.6%)	13.6
12	HRMS calcd for $C_{16}H_{15}N_2O_2$ (MH^+) 267.11300, found 267.11264	267 (9.0)	17.6 (>99%)	
13	HRMS calcd for $C_{17}H_{17}N_2O_3S$ (MH^+) 329.09500, found 329.09516	329 (9.3)		10.5 (>99%)
14	$C_{16}H_{14}N_2O$ Theory C 76.78, H 5.64, N 11.19 Found C 76.42, H 5.61, N 11.07	251 (11.3)		12.3
15	HRMS calcd for $C_{15}H_{14}N_3O_3S$ (MH^+) 316.07500, found 316.07470	316 (8.3)	21.1 (99%)	9.0
16	$C_{21}H_{16}N_2O_2$ .0.5 H_2O Theory C 74.76, H 5.08, N 8.30 Found C 74.78, H 4.79, N 8.30	329 (11.6)		13.5

17	HRMS calcd for $C_{17}H_{17}N_2O_3$ (MH^+) 297.12300, found 297.12316	297 (9.6)	21.8 (>99%)	
18	$C_{17}H_{16}N_2O_3$.0.35 H_2O Theory C 67.47, H 5.56, N 9.26 Found C 67.48, H 5.31, N 9.19	297 (10.4)		11.5
19	$C_{18}H_{18}N_2O_4$.0.1 H_2O Theory C 65.88, H 5.59, N 8.54 Found C 65.82, H 5.41, N 8.48	327 (9.9)		10.3
20	HRMS calcd for $C_{20}H_{24}N_3O_4S$ (MH^+) 402.1488, found 402.1486	402 (10.5)	28.6 (99.5%)	
21	HRMS calcd for $C_{18}H_{19}N_2O_4S$ (MH^+) 359.10600, found 359.10585	359 (9.3)	25.1 (98.6%)	
23	$C_{10}H_{11}NO_3S_2$ Theory C 46.68, H 4.31, N 5.44, S 24.92 Found C 46.80, H 4.28, N 5.50, S 25.05			
24	HRMS calcd for $C_{18}H_{18}ClN_2O_4S$ (MH^+) 393.06700, found 393.06684	393 (10.1)		12.7 (>95%)
25	HRMS calcd for $C_{18}H_{18}ClN_2O_4S$ (MH^+) 393.06700, found 393.06685	393 (10.2)		11.5 (>95%)
26	HRMS calcd for $C_{19}H_{18}N_3O_4S$ (MH^+) 384.10100, found 384.10121	384 (8.6)		10.1 (>95%)
27	HRMS calcd for $C_{19}H_{21}N_2O_5S$ (MH^+) 389.11700, found 389.11655	389 (9.5)	24.4 (95.6%)	10.5
28	HRMS calcd for $C_{18}H_{18}N_2O_4FS$ (MH^+) 377.0971, found 377.0985	377 (9.5)		10.8 (>95%)
29	HRMS calcd for $C_{19}H_{22}N_2O_5S$ (MH^+) 389.11700, found 389.11657	389 (9.3)	25.2 (92.7%)	
30	HRMS calcd for $C_{18}H_{18}ClN_2O_4S$ (MH^+) 393.06700, found 393.06706	393 (10.1)		11.5 (>95%)
31	HRMS calcd for $C_{18}H_{18}FN_2O_4S$ (MH^+) 377.09700, found 377.09651	377 (9.4)	26.2 (>99%)	

32	HRMS calcd for $C_{19}H_{18}N_4O_4S$ (MH^+) 384.10100, found 384.10125	384 (8.6)		10.0 (>95%)
33	HRMS calcd for $C_{18}H_{18}ClN_2O_4S$ (MH^+) 402.11200, found 402.11179	402 (7.1)		7.6 (>95%)
34	$C_{18}H_{17}N_2BrO_4S$ Theory C 49.44, H 3.92, N 6.41, S 7.33, Br 18.27 Found C 49.53, H 3.96, N 6.56, S 7.41, Br 18.38	437 (10.3)		11.7
35	HRMS calcd for $C_{20}H_{23}N_2O_4S$ (MH^+) 387.13700, found 387.13732	387 (10.7)		11.8 (>99%)
36	$C_{20}H_{20}N_2O_5S.0.4\ H_2O$ Theory C 58.93, H 5.14, N 6.87, S 7.86 Found C 58.81, H 5.00, N 6.80, S 8.01	401 (8.8)		9.8
37	HRMS calcd for $C_{22}H_{22}N_2O_4S_2$ (MH^+) 441.09400, found 441.09350	441 (11.0)		12.6 (>99%)
38	HRMS calcd for $C_{22}H_{22}N_2O_4S_2$ (MH^+) 441.09400, found 441.09350	441 (10.9)		12.4 (>99%)
39	$C_{23}H_{21}N_3O_4S.0.25\ H_2O$ Theory C 62.78, H 4.93, N 9.55, S 7.29 Found C 62.85, H 5.00, N 9.41, S 7.14	436 (9.1)		8.9
40	HRMS calcd for $C_{23}H_{22}N_3O_4S$ (MH^+) 436.13300, found 436.13250	436 (8.5)		7.2 (>99%)
41	HRMS calcd for $C_{23}H_{22}N_3O_4S$ (MH^+) 436.13300, found 436.13248	436 (7.9)		6.1 (>99%)
42	HRMS calcd for $C_{22}H_{23}N_4O_4S$ (MH^+) 439.1441, found 439.1440	439 (5.2)		5.1 (>95%)
43	$C_{24}H_{22}N_2O_4S$ Theory C 66.34, H 5.10, N 6.45, S 7.38 Found C 66.24, H 5.25, N 6.29, S 7.23	435 (11.2)		12.7

44	$C_{24}H_{21}FN_2O_4S.0.6\ HCO_2H$ Theory C 61.54, H 4.66, N 5.83, S 6.68 Found C 61.66, H 4.88, N 5.61, S 6.32	453 (10.7)		12.5
45	$C_{24}H_{21}ClN_2O_4S.0.2\ HCO_2H$ Theory C 60.79, H 4.51, N 5.86, S 6.70, Cl 7.41 Found C 60.86, H 4.55, N 5.77, S 6.50, Cl 7.37	469 (10.9)		12.9
46	HRMS calcd for $C_{25}H_{25}N_4O_4S$ (MH^+) 477.15900, found 477.15933			