Supplementary Information

New Hybrid Pyrazole and Imidazopyrazole Antinflammatory Agents Able to Reduce ROS Production in Different Biological Targets

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Contents

Table S1. Elemental analysis of compounds **4a–k, 5a–k, 7, 9, 10, 12**

Figure S1. ^{1}H-NMR spectrum of compound **5a**

Table S1. Elemental analyses of compounds **4a–k, 5a–k, 7, 9, 10, 12**

Comp.	Molecular formula	MW		%C	%H	%N
4a	$C_{21}H_{21}F_2N_5O_4$	445.42	Calculated	56.63	4.75	15.72
			Experimental	56.63	4.86	15.56
4b	$C_{25}H_{29}N_5O_4$	463.53	Calculated	64.78	6.31	15.11
			Experimental	64.41	6.69	15.26
4c	$C_{24}H_{29}N_5O_4$	451.52	Calculated	63.84	6.47	15.51
			Experimental	63.92	6.81	15.63
4d	$C_{25}H_{29}N_5O_4$	463.53	Calculated	64.78	6.31	15.11
			Experimental	64.65	6.69	15.04
4e	$C_{25}H_{27}F_2N_5O_4$	499.51	Calculated	60.11	5.45	14.02
			Experimental	60.10	5.38	14.17
4f	$C_{26}H_{23}F_2N_5O_4$	507.49	Calculated	61.53	4.57	13.80
			Experimental	61.59	4.58	13.31
4g	$C_{27}H_{25}F_2N_5O_4$	521.52	Calculated	62.18	4.83	13.43
			Experimental	62.20	4.88	13.41
4h	$C_{22}H_{24}N_4O_5$	424.45	Calculated	60.13	5.73	15.94
			Experimental	60.12	5.76	15.79
4i	$C_{26}H_{25}N_5O_4$	471.51	Calculated	66.23	5.34	14.85
			Experimental	66.16	5.59	14.72
4j	$C_{27}H_{27}N_5O_4$	485.53	Calculated	66.79	5.61	14.42
			Experimental	66.88	5.76	14.10
4k	$C_{29}H_{31}N_5O_4$	513.59	Calculated	67.82	6.08	13.64
			Experimental	67.39	6.20	13.96

Table S1. *Cont.*

5a	$C_{21}H_{21}N_5O_3$	391.42	Calculated	64.44	5.41	17.89
			Experimental	64.07	6.15	17.55
5b	$C_{25}H_{27}N_5O_3$	445.51	Calculated	67.40	6.11	15.72
			Experimental	67.49	6.13	15.34
5c	$C_{24}H_{27}N_5O_3$	433.50	Calculated	66.49	6.28	16.16
			Experimental	67.49	6.13	15.34
5d	$C_{25}H_{27}N_5O_3$	445.51	Calculated	67.40	6.11	15.72
			Experimental	67.41	6.10	15.35
5e	$C_{25}H_{25}F_2N_5O_3$	481.49	Calculated	62.36	5.23	14.55
			Experimental	62.10	5.60	14.32
5f	$C_{26}H_{29}N_5O_3$	459.54	Calculated	67.95	6.36	15.24
			Experimental	67.62	6.38	15.59
5g	$C_{20}H_{17}N_5O_3$	375.38	Calculated	63.99	4.56	18.66
			Experimental	63.65	4.87	18.83
5h	$C_{22}H_{23}N_5O_4$	421.45	Calculated	62.70	5.50	16.62
			Experimental	62.96	5.43	16.31
5i	$C_{26}H_{23}N_5O_3$	453.49	Calculated	68.86	5.11	15.44
			Experimental	68.68	5.24	15.26
5j	$C_{27}H_{25}N_5O_3$	467.52	Calculated	69.36	5.39	14.98
			Experimental	69.27	5.74	15.26
5k	$C_{27}H_{28}N_5O_4$	487.55	Calculated	66.51	6.00	14.36
			Experimental	66.71	6.40	14.24
7	$C_{12}H_{15}N_5O_21/2H_2O$	540.57	Calculated	53.52	5.61	26.01
			Experimental	53.36	5.66	26.35
9	$C_{18}H_{19}N_3O_3$	325.36	Calculated	66.45	5.89	12.91
			Experimental	66.87	5.99	12.71
10	$C_{16}H_{17}N_5O_2$	311.34	Calculated	61.72	5.50	22.49
			Experimental	61.97	5.57	22.19
12	$C_{12}H_{13}N_5O$	243.26	Calculated	59.25	5.39	28.79
			Experimental	59.02	5.44	28.60

Figure S1. [1]H-NMR spectrum of **5a**

