Supporting Information

Malaria Causal Prophylactic Activity of Imidazolidinedione Derivatives, Jian Guan, Xihong Wang, Kirsten Smith, [‡]Arba Ager,[+]Gettayacamin Montip, Dennis Kyle, Wilbur K. Milhous, Michael P. Kozar, Alan J. Magill and Ai J. Lin*

Elemental Analysis Data

Compound #	Formula	Formular Weight	Calcd			Found		
			C	H	N	C	H	N
5a	$C_{19}H_{23}N_5O_3Cl_2 \cdot {}^3/_4H_2O$	453.824	50.28	5.44	15.43	50.27	5.11	15.22
5b	$C_{17}H_{19}N_5O_3Cl_2$	412.270	49.53	4.65	16.99	49.70	4.56	16.99
5c	$C_{18}H_{21}N_5O_3Cl_2$	426.297	50.71	4.97	16.43	50.41	4.99	16.31
6a	$C_{19}H_{23}N_5O_3Cl_2$	440.324	51.83	5.26	15.91	51.96	5.21	15.92
6b	$C_{17}H_{19}N_5O_3Cl_2$	412.270	49.53	4.65	16.99	49.37	4.67	16.89
6c	$C_{17}H_{19}N_5O_3Cl_2$	412.270	49.53	4.65	16.99	49.45	4.57	16.94

NMR and **MS** data of **5a, 5b, 5c, 6a, 6b, and 6c**

5a: ^{1}H NMR ($CDCl_3$, 300 MHz) δ 13.8 (1H, s), 12.0 (1H, s), 7.92 (1H, d, *J* = 2.4 Hz), 7.53 (1H, d, *J* = 8.6 Hz), 7.25 (1H, dd, *J* = 8.6 Hz, and 2.4 Hz), 4.48 (1H, m), 2.43 (1H, m), 1.76 (4H, m), 1.44 (6H, d, *J* = 6.9 Hz), 1.01(6H, t, *J* = 7.3 Hz); MS (*m/z*) 440 (M+).

5b: ^{1}H NMR ($CDCl_3$, 300 Hz) δ 7.86 (1H, d, *J* = 2.5 Hz), 7.51 (1H, d, *J* = 8.6 Hz), 7.22 (1H, dd, *J* = 8.6 Hz and 2.5 Hz), 4.45 (1H, m), 2.77 (1H, m), 1.39 (6H, d, *J* = 6.9 Hz), 1.33(6H, d, *J* = 6.9 Hz). MS (*m/z*) 412 (M+), 342.

5c: ^{1}H NMR ($CDCl_3$, 300Hz) δ 7.90 (1H, d, *J* = 2.5 Hz), 7.53 (1H, d, *J* = 8.6 Hz), 7.25 (1H, dd, *J* = 8.6 Hz and 2.5 Hz), 4.48 (1H, m), 1.42 (6H, d, *J* = 7.1 Hz), 1.40 (9H, s). MS (*m/z*) 426 (M+), and 342.

6a: ^{1}H NMR ($CDCl_3$, 300 Hz) δ 7.57 (1H, d, *J* = 2.4 Hz), 7.56 (1H, d, *J* = 8.6 Hz), 7.30 (1H, dd, *J* = 2.4 and 8.6 Hz), 4.13 (1H, m), 2.31 (1H, m), 1.74 (4H, m), 1.26 (6H, d, *J* = 6.6 Hz), 0.97 (6H, t, *J* = 7.4 Hz). MS (m/z): 442 (M+2), 440 (M+),

6b: yield, 25%. mp 144°C. ^{1}H NMR ($CDCl_3$, 300 Hz) δ 7.58 (1H, d, *J* = 2.3 Hz), 7.56 (1H, d, *J* = 8.8 Hz), 7.29 (1H, dd, *J* = 2.3 and 8.8 Hz), 4.14 (1H, m), 2.73 (1H, m), 1.32 (6H, d, *J* = 6.9 Hz), 1.26 (6H, d, *J* = 7.6 Hz). MS (m/z): 314, 342, 344, 390, 412 (M+), 414 (M+2).

6c: yield, 25.8 %. mp 178°C. ^{1}H NMR ($CDCl_3$, 300 Hz) δ 7.57 (1H, d, *J* = 2.3 Hz), 7.56 (1H, d, *J* = 8.6 Hz), 7.29 (1H, dd, *J* = 2.3 and 8.6 Hz), 4.13 (1H, m), 2.53 (2H, t, *J* = 7.4 Hz), 1.78 (2H, m), 1.26 (6H, d, *J* = 6.6 Hz), 1.04 (3H, t, *J* = 7.3 Hz). MS (m/z): 314, 342, 344, 390, 412 (M+), 414 (M+2).