SYNTHESIS, STRUCTURE-ACTIVITY RELATIONSHIP AND RECEPTOR PHARMACOLOGY OF A NEW SERIES OF QUINOLINE DERIVATIVES ACTING AS SELECTIVE NON-COMPETITIVE MGLU1 ANTAGONISTS

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Appendix: Elemental analyses

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		Calculated			Found		
Ref	Formula	C%	H%	N%	C%	H%	N%
cis-10	C20H25NO3	73.37	7.7	4.28	73.19	7.68	4.08
trans-10	C20H25NO3	73.37	7.7	4.28	73.25	7.8	4.31
14	C10H12BrNO	49.61	5	5.78	49.26	4.92	5.77
16	C12H12BrNO	54.16	4.54	5.26	53.79	4.47	5.19
cis-17	C19H22ClNO2	68.77	6.68	4.22	68.72	6.81	4.12
trans-17	C19H22ClNO2	68.77	6.68	4.22	68.57	6.82	4.18
cis-18	C20H25NO2	77.14	8.09	4.5	76.85	8.4	4.27
trans-18	C20H25NO2	77.14	8.09	4.5	76.78	8.45	4.45
cis-19	C19H23NO2	76.74	7.8	4.71	76.7	7.94	4.7
cis-20	C19H22FNO2	72.36	7.03	4.44	72.33	7.24	4.38
cis-21	C23H25NO2S	72.79	6.64	3.69	71.84	6.76	3.58
cis-22	C19H22INO2	53.91	5.24	3.31	54.09	5.29	3.32
cis-23	C20H22N2O2	74.51	6.88	8.69	74.74	6.95	8.63
cis-24	C23H29NO4	72.04	7.62	3.65	71.56	7.65	3.63
cis-25	C19H24N2O2	73.05	7.74	8.97	72.95	7.73	8.69
cis-26	C22H30N2O3	71.32	8.16	7.56	70.74	8.22	7.52
cis-27	C22H24N2O2S	69.44	6.36	7.36	69.66	6.42	7.73
cis-28	C23H25NO2S	72.79	6.64	3.69	72.74	6.8	3.58
cis-29	C19H23NO3	72.82	7.4	4.47	72.96	7.5	4.4
(±)-31a	C11H13NO4	59.19	5.87	6.27	59.29	5.74	6.27
(±)-32a	C20H16ClNO3	67.9	4.56	3.96	67.12	4.45	3.86
(±)-32b	C21H18ClNO2	71.69	5.16	3.98	71.39	5.3	3.95
32c	C20H18ClNO	74.18	5.6	4.33	74.14	5.55	4.32
(±)-32d	C19H20ClNO	72.72	6.42	4.46	72.68	6.52	4.41
32e	C20H24ClNO2	69.45	6.99	4.05	68.75	6.92	3.92
(±)-32i	C21H18ClNO	75.11	5.4	4.17	74.95	5.38	4.19
(±)-33a	C21H19NO3	75.66	5.74	4.2	74.3	5.74	4.08
(±)-33b	C22H21NO2	68.4	5.5	3.32	67.33	5.32	3.17
33c	C21H21NO	83.13	6.98	4.62	82.71	6.83	4.56
(±)-33d	C20H23NO	81.87	7.9	4.77	81.22	8.11	4.72
33e	C21H27NO2	77.5	8.36	4.3	76.62	8.41	4.29
33f	C21H21NO2	78.97	6.63	4.39	77	6.65	4.26
33g	C22H23NO3	75.62	6.63	4.01	74.04	6.52	3.92
33h	C22H24N2O	79.48	7.28	8.43	78.56	7.22	8.27
(±)-33i	C22H21NO	83.78	6.71	4.44	83.41	6.9	4.28
cis-36	C19H23NO2	76.74	7.8	4.71	76.48	7.86	4.56
38	C20H19NO	83.01	6.62	4.84	83.32	6.6	4.85
40	C23H27NO2	79.05	7.79	4.01	78.95	7.91	3.94
41	C22H25NO2	78.77	7.51	4.18	77.52	7.55	4.01
43	C23H27NO	82.84	8.16	4.2	80.68	8.01	4.02
(±)-45	C16H20ClNO	69.18	7.26	5.04	69.49	7.22	5
46	C16H18ClNO	69.68	6.58	5.08	69.07	6.76	5.1
47	C17H21NO	79.96	8.29	5.49	78.79	8.43	5.11
50	C23H30N2O3	72.22	7.91	7.32	71.77	7.97	7.26
51	C18H22N2O	76.56	7.85	9.92	76.11	7.9	9.96
52	C20H17NO	83.6	5.96	4.87	83.33	5.91	4.86
53	C22H19NO	84.31	6.11	4.47	84.27	6.08	4.47

cis-54	C20H26N2O3	70.15	7.65	8.18	69.86	7.83	8.08
cis-55	C20H26N2O3	70.15	7.65	8.18	70.12	7.85	8.05
cis-56	C20H27N3O2	70.35	7.97	12.31	70.09	8.12	12.11
cis-57	C21H27NO2.HCl	69.69	7.8	3.87	70.07	7.88	3.88
60a	C12H10BrNO	54.57	3.82	5.3	54.17	3.81	5.2
60b	C13H13BrN2	56.34	4.73	10.11	56.36	4.76	9.98
60d	C12H10BrNO	58.09	4.06	5.65	57.71	4.07	5.59
cis-64a	C20H23NO3	73.82	7.12	4.3	73.75	7.18	4.35
cis-64b	C21H26N2O2	74.53	7.74	8.28	74.38	7.81	8.21
cis-64c	C22H27NO2	78.3	8.06	4.15	78.41	8.03	4.14
cis-64d	C20H23NO2	77.64	7.49	4.53	77.1	7.52	4.49
cis-64e	C20H25NO2	77.14	8.09	4.5	77.03	8.07	4.57
cis-64f	C19H21NO2S	69.69	6.46	4.28	69.91	6.4	4.25
cis-68	C21H27NO2	77.5	8.36	4.3	77.37	8.44	4.19
cis-69	C19H22N4O2	67.44	6.55	16.56	67.09	6.56	16.44
72a	C18H15NO2S	69.88	4.89	4.53	69.54	4.86	4.45
72b	C21H19NO2	79.47	6.03	4.41	79.11	5.98	4.38
72c	C20H17NO2	79.19	5.65	4.62	78.95	5.65	4.57
81	C12H10BrNO	54.57	3.82	5.3	54.64	3.77	5.28
82	C12H10BrNO	54.57	3.82	5.3	54.48	3.75	5.27
83	C20H17NO2	79.19	5.65	4.62	78.43	5.69	4.65
cis-86	C20H23NO2	77.64	7.49	4.53	77.27	7.68	4.48
cis-87	C22H27NO	82.2	8.47	4.36	81.95	8.4	4.16