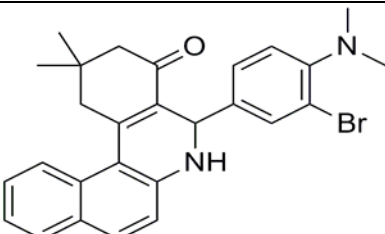
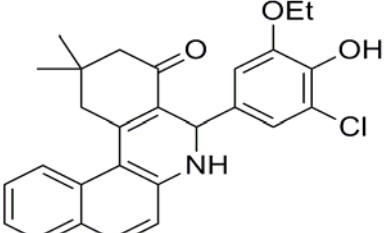
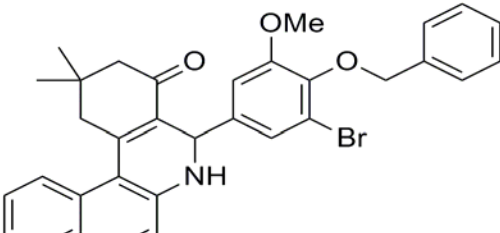
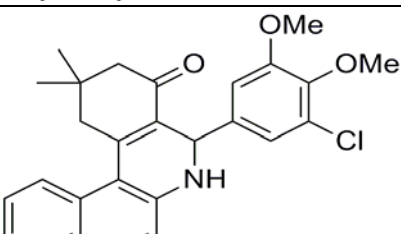
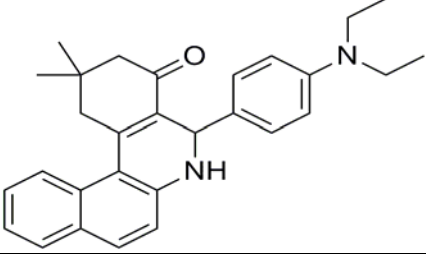
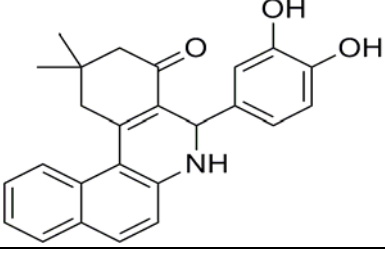
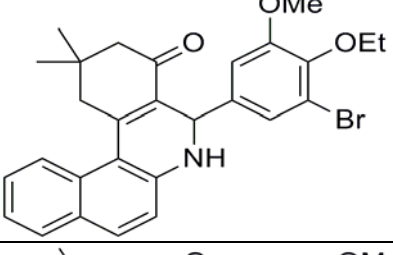
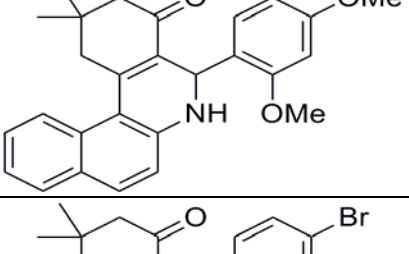
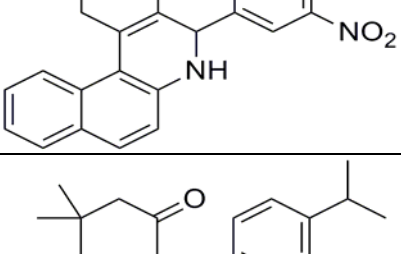
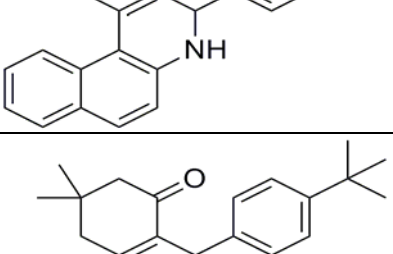
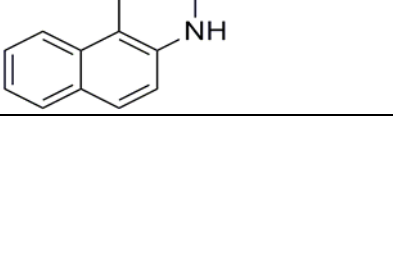


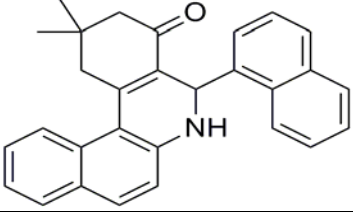
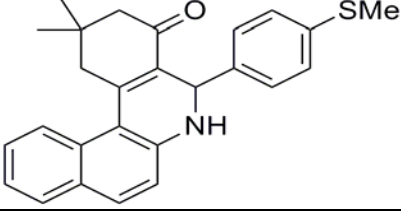
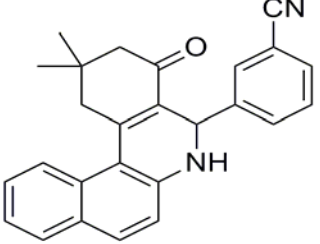
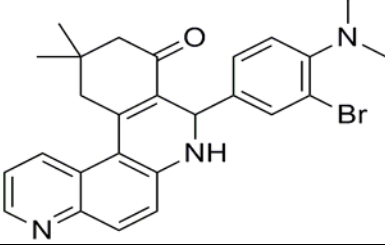
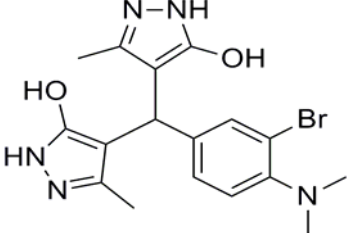
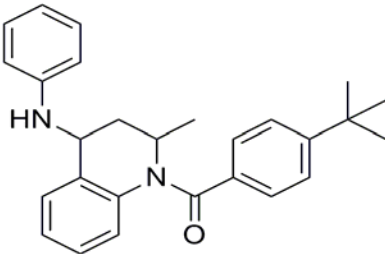
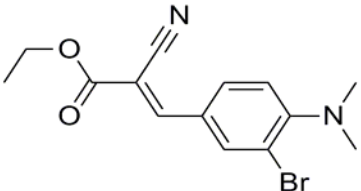
Table S1. Comprehensive list of compounds examined against recombinant GAC (50 nM) in the described assay system. GAC in pH 8.6 Tris-acetate buffer was exposed to glutamine (21 mM) and inhibitor at 10, 25 and 50 μ M concentrations, and then inorganic phosphate (136 mM) was added. The solution was incubated for 10 minutes, at which time glutamate turnover was measured and % inhibition were determined.

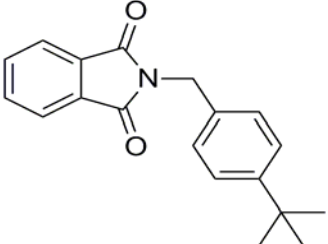
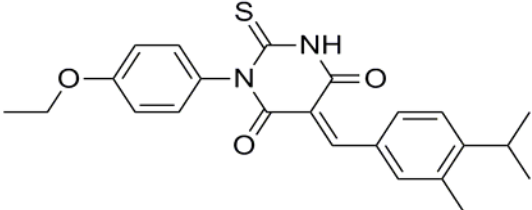
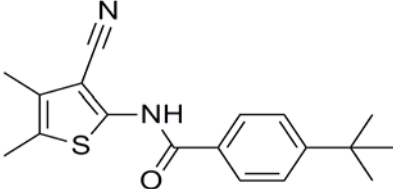
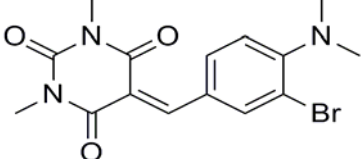
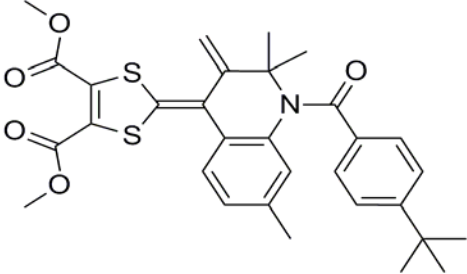
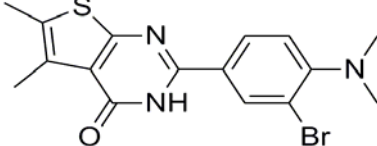
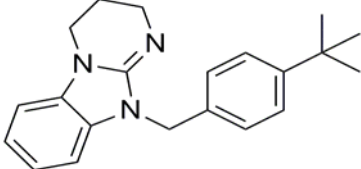
#		Inhibition %		
		10 μ M	25 μ M	50 μ M
968		21 \pm 5	94 \pm 1	95 \pm 1
1		12 \pm 21	35 \pm 6	95 \pm 3
2		45 \pm 2	94 \pm 3	98 \pm 3
3		2 \pm 5	35 \pm 3	88 \pm 2

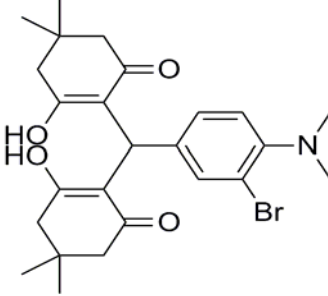
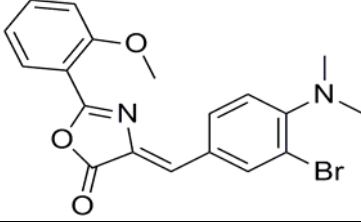
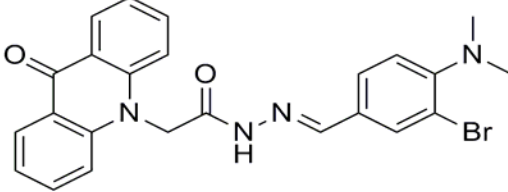
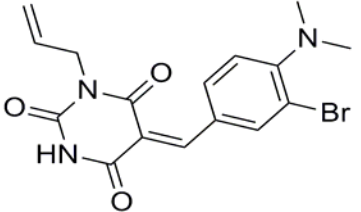
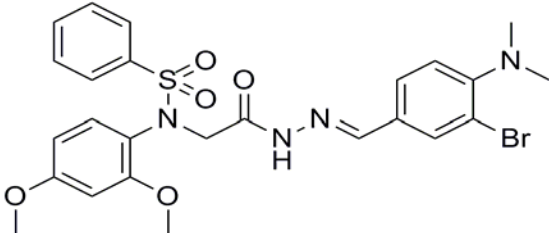
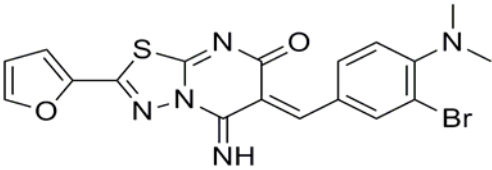
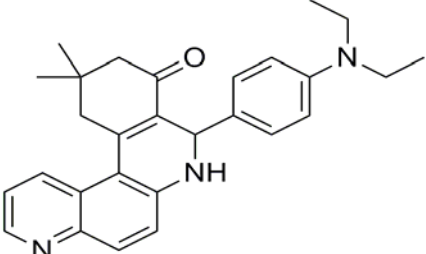
4		55 ± 11	99 ± 4	100 ± 0
5		33 ± 3	95 ± 0	97 ± 0
6		26 ± 5	89 ± 9	96 ± 1
7		25 ± 3	66 ± 4	98 ± 1
8		17 ± 9	90 ± 8	91 ± 6
9		5 ± 3	18 ± 1	84 ± 9

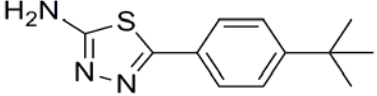
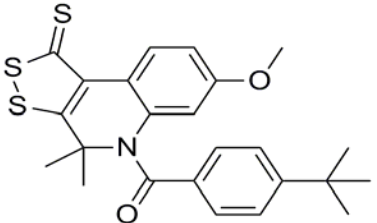
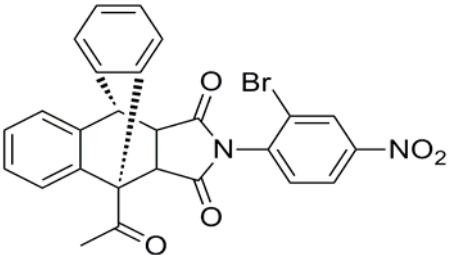
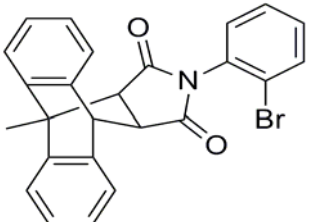
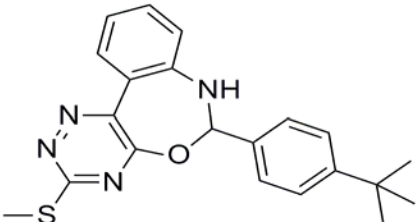
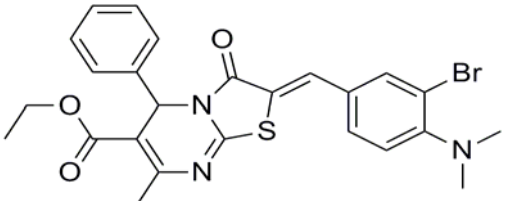
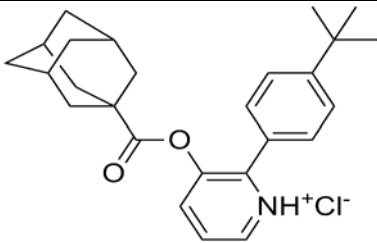
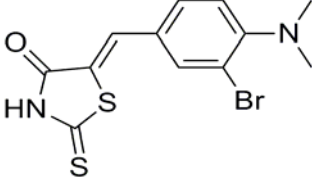
10		-21 ± 4	8 ± 12	36 ± 4
11		17 ± 11	94 ± 2	94 ± 0
12		27 ± 6	83 ± 11	95 ± 1
13		-26 ± 2	-17 ± 0	16 ± 0
14		-11 ± 14	9 ± 19	59 ± 23
15		14 ± 4	44 ± 12	67 ± 2
16		-6 ± 2	-7 ± 6	-10 ± 7

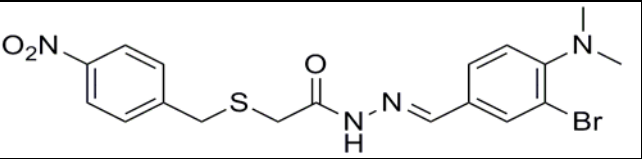
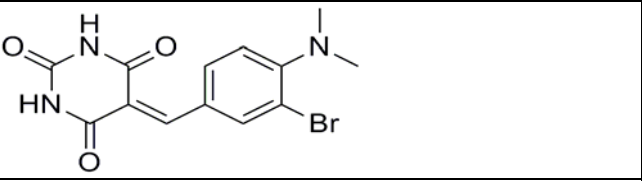
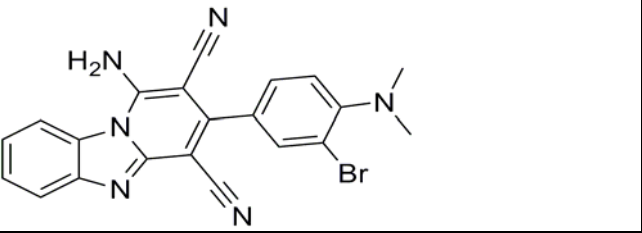
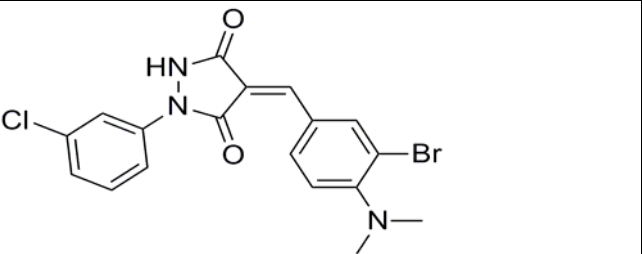
17		13 ± 3	40 ± 12	96 ± 5
18		-31 ± 0	-25 ± 2	-2 ± 8
19		14 ± 10	91 ± 3	94 ± 1
20		1 ± 1	12 ± 2	41 ± 5
21		30 ± 4	76 ± 8	100 ± 0
22		13 ± 1	62 ± 1	91 ± 9
23		60 ± 7	94 ± 5	99 ± 0

24		44 ± 10	97 ± 2	97 ± 2
25		20 ± 4	90 ± 4	97 ± 5
26		-8 ± 2	-13 ± 1	-8 ± 8
27		-20 ± 2	30 ± 8	91 ± 5
28		-1 ± 3	-5 ± 6	-9 ± 5
29		3 ± 8	20 ± 5	45 ± 4
30		2 ± 8	1 ± 5	10 ± 3

31		5 ± 3	24 ± 11	52 ± 14
32		-7 ± 9	-8 ± 7	-6 ± 2
33		-9 ± 23	19 ± 0	81 ± 18
34		-31 ± 5	-17 ± 4	-26 ± 1
35		90 ± 4	100 ± 0	97 ± 3
36		12 ± 5	7 ± 9	-12 ± 6
37		6 ± 5	5 ± 1	8 ± 2

38		-1 ± 5	-5 ± 2	-20 ± 6
39		-16 ± 5	30 ± 13	91 ± 1
40		68 ± 0	84 ± 2	93 ± 2
41		-14 ± 4	-16 ± 3	5 ± 4
42		24 ± 7	91 ± 4	95 ± 2
43		-17 ± 10	-9 ± 7	35 ± 1
44		15 ± 8	64 ± 16	96 ± 1

45		1 ± 8	3 ± 8	4 ± 5
46		35 ± 19	90 ± 3	94 ± 2
47		24 ± 5	80 ± 3	81 ± 22
48		-10 ± 11	27 ± 7	89 ± 5
49		-11 ± 1	7 ± 1	59 ± 16
50		58 ± 7	95 ± 3	98 ± 0
51		39 ± 14	74 ± 9	80 ± 3
52		-18 ± 1	-33 ± 1	-50 ± 2

53		-19 ± 1	-7 ± 0	15 ± 9
54		-20 ± 1	-22 ± 1	-23 ± 1
55		9 ± 7	20 ± 1	34 ± 1
56		0 ± 2	8 ± 1	33 ± 6