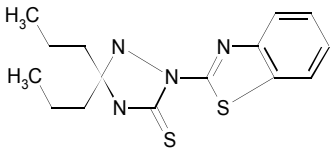
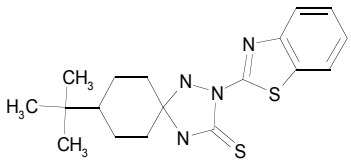
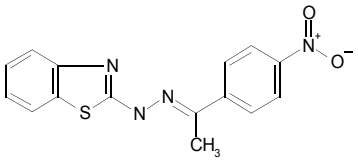
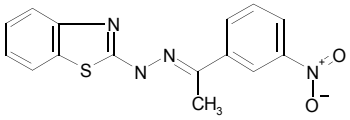
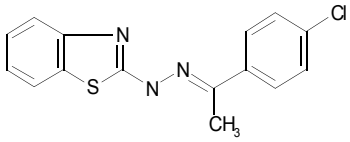
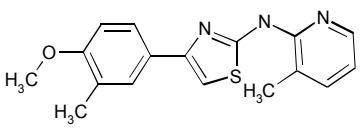
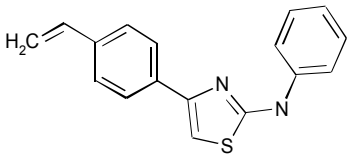
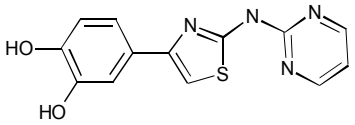
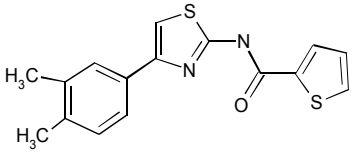
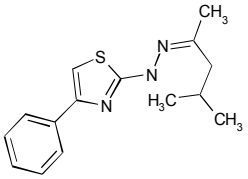
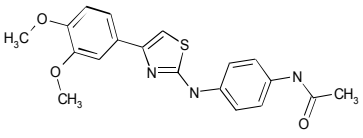
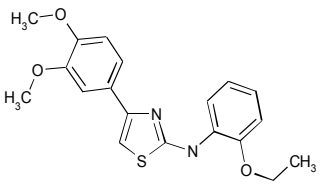
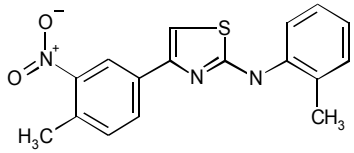
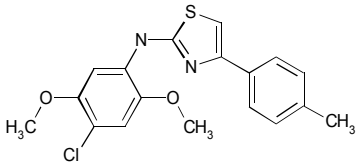
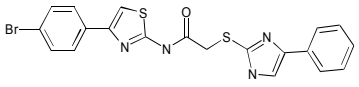
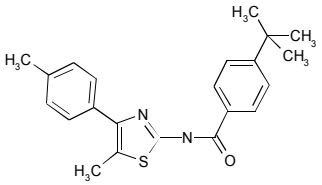
Supplemental Table 1
Class 1: 2-aminobenzothiazoles

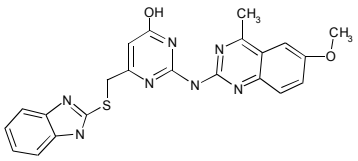
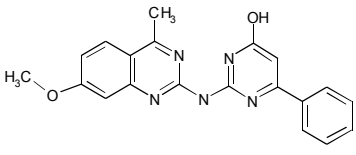
		V_{max} (mM/s)	K_a (μM)
corr-1a		0.11 ± 0.01	7.4 ± 0.9
corr-1b		0.11 ± 0.01	16.5 ± 0.9
corr-1c		0.07 ± 0.01	2.5 ± 0.3
corr-1d		0.08 ± 0.01	5.9 ± 0.8
corr-1e		0.08 ± 0.01	9.0 ± 0.2
corr-1f		0.17 ± 0.01	8.0 ± 1.0

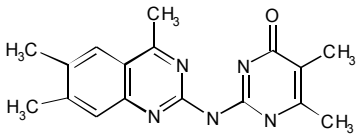
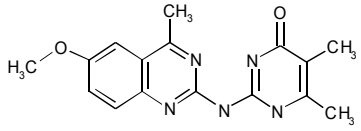
Class 2: 2-amino-4-arylthiazoles

		V_{max} (mM/s)	K_a (μM)
corr-2a		0.22 ± 0.01	12.1 ± 0.4
corr-2b		0.21 ± 0.02	16 ± 0.3
corr-2c		0.10 ± 0.02	16.4 ± 0.8
corr-2d		0.10 ± 0.02	8.2 ± 0.6
corr-2e		0.10 ± 0.01	6.3 ± 0.8
corr-2f		0.15 ± 0.01	7.3 ± 0.5
corr-2g		0.15 ± 0.01	8.1 ± 0.1
corr-2h		0.10 ± 0.01	9.1 ± 0.7

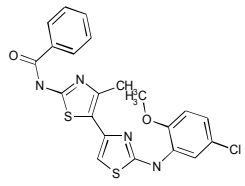
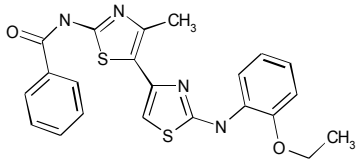
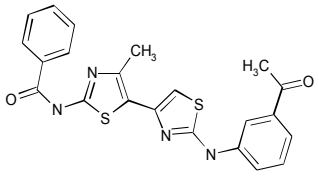
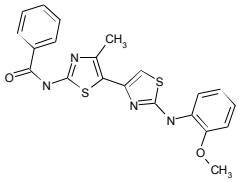
corr-2i		0.09 ± 0.01	5.5 ± 0.1
corr-2j		0.10 ± 0.01	15 ± 2
corr-2k		0.15 ± 0.01	10.2 ± 0.2
corr-2l		0.15 ± 0.01	11.3 ± 0.2
corr-2m		0.11 ± 0.01	14.9 ± 0.9

Class 3: 2-quinazolinyl-4-aminopyrimidinones

		V_{max} (mM/s)	K_a (μM)
corr-3a		0.13 ± 0.01	2.6 ± 0.1
corr-3b		0.17 ± 0.02	11.8 ± 0.6

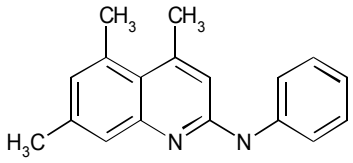
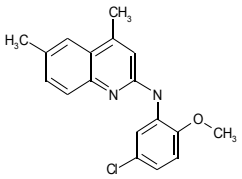
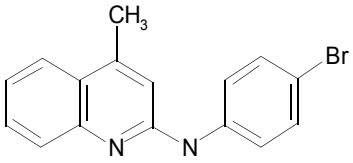
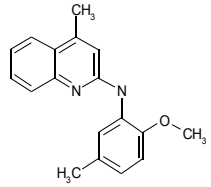
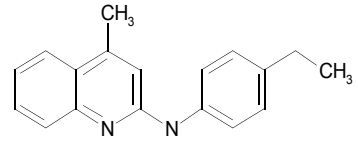
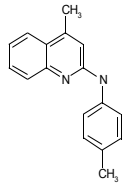
corr-3c		0.15 ± 0.01	8.8 ± 0.3
corr-3d		0.20 ± 0.07	15.2 ± 0.4
corr-3e		0.19 ± 0.01	13.9 ± 0.5

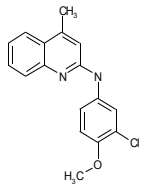
Class 4: bisaminomethylbithiazoles

		V_{max} (mM/s)	K_a (μM)
corr-4a		0.21 ± 0.02	2.8 ± 0.1
corr-4b		0.20 ± 0.01	5.3 ± 0.1
corr-4c		0.16 ± 0.01	1.7 ± 0.1
corr-4d		0.21 ± 0.02	7.2 ± 0.7

corr-4e	0.16 ± 0.01	6.9 ± 0.5

Class 5: 2-(N-phenylamino)quinolines

	V_{max} (mM/s)	K_a (μM)
corr-5a 	0.17 ± 0.01	13 ± 1
corr-5b 	0.15 ± 0.02	15 ± 3
corr-5c 	0.15 ± 0.01	8.0 ± 0.4
corr-5d 	0.11 ± 0.01	13 ± 2
corr-5e 	0.08 ± 0.01	8.6 ± 0.2
corr-5f 	0.13 ± 0.01	8.4 ± 1.0

corr-5g		0.13 ± 0.02	10.0 ± 2.8
corr-5h		0.12 ± 0.01	7.3 ± 0.4