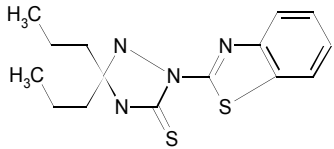
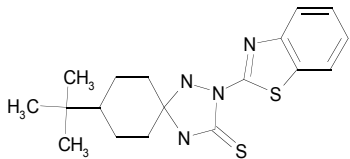
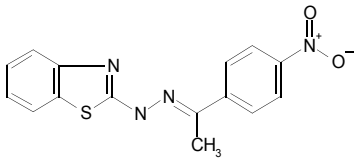
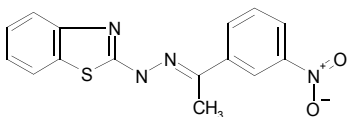
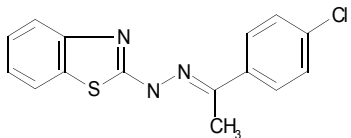
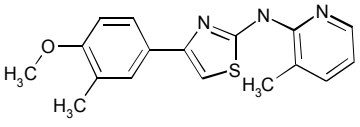
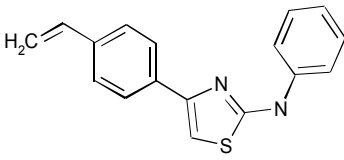
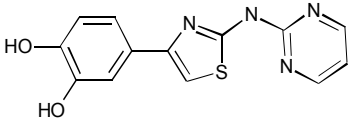
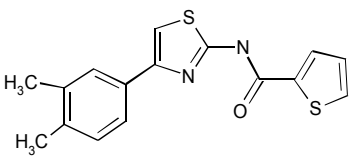
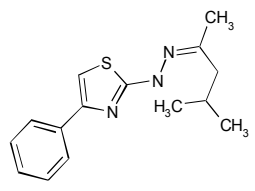
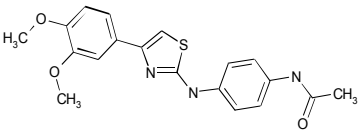
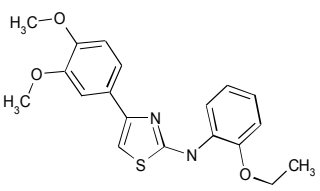


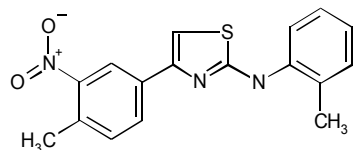
## Class 1: 2-aminobenzothiazoles

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

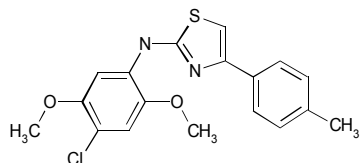
## Class 2: 2-amino-4-arylthiazoles

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

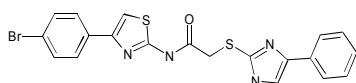
corr-2i

 $0.09 \pm 0.01$  $5.5 \pm 0.1$ 

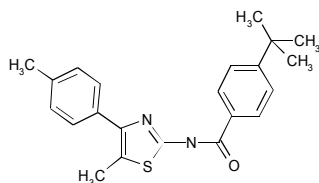
corr-2j

 $0.10 \pm 0.01$  $15 \pm 2$ 

corr-2k

 $0.15 \pm 0.01$  $10.2 \pm 0.2$ 

corr-2l

 $0.15 \pm 0.01$  $11.3 \pm 0.2$ 

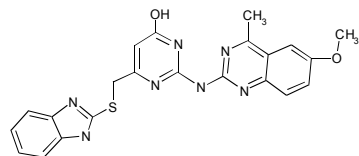
corr-2m

 $0.11 \pm 0.01$  $14.9 \pm 0.9$ 

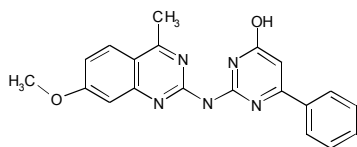
### Class 3: 2-quinazolinyl-4-aminopyrimidinones

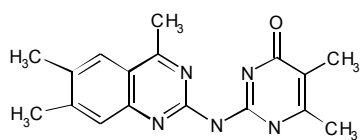
 $V_{\max}$  (mM/s) $K_a$  ( $\mu$ M)

corr-3a

 $0.13 \pm 0.01$  $2.6 \pm 0.1$ 

corr-3b

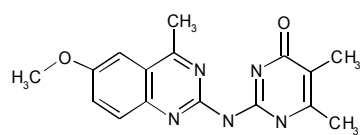
 $0.17 \pm 0.02$  $11.8 \pm 0.6$ 



corr-3c

$0.15 \pm 0.01$

$8.8 \pm 0.3$



corr-3d

$0.20 \pm 0.07$

$15.2 \pm 0.4$

corr-3e

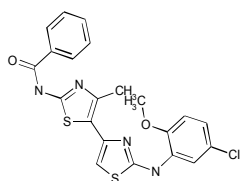
$0.19 \pm 0.01$

$13.9 \pm 0.5$

#### Class 4: bisaminomethylbithiazoles

$V_{\max}$  (mM/s)

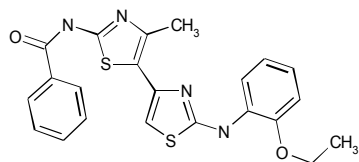
$K_a$  ( $\mu$ M)



corr-4a

$0.21 \pm 0.02$

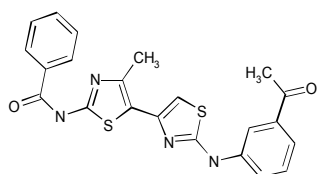
$2.8 \pm 0.1$



corr-4b

$0.20 \pm 0.01$

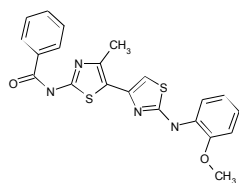
$5.3 \pm 0.1$



corr-4c

$0.16 \pm 0.01$

$1.7 \pm 0.1$



corr-4d

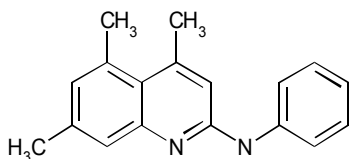
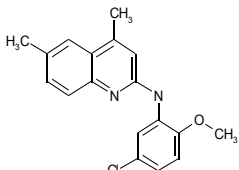
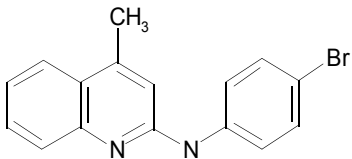
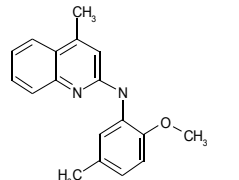
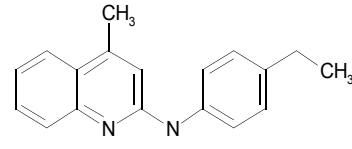
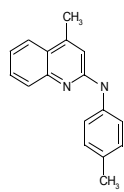
$0.21 \pm 0.02$

$7.2 \pm 0.7$

corr-4e

 $0.16 \pm 0.01$  $6.9 \pm 0.5$ 

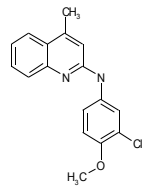
## Class 5: 2-(N-phenylamino)quinolines

	$V_{\max}$ (mM/s)	$K_a$ ( $\mu$ M)	
corr-5a	 <chem>Cc1c(C)c(C)c2nc(Nc3ccccc3)cc21</chem>	$0.17 \pm 0.01$	$13 \pm 1$
corr-5b	 <chem>Cc1c2ccccc2n1Nc3cc(Cl)cc(OC)c3</chem>	$0.15 \pm 0.02$	$15 \pm 3$
corr-5c	 <chem>Cc1c2ccccc2n1Nc3ccc(Br)cc3</chem>	$0.15 \pm 0.01$	$8.0 \pm 0.4$
corr-5d	 <chem>Cc1c2ccccc2n1Nc3cc(C)cc(OC)c3</chem>	$0.11 \pm 0.01$	$13 \pm 2$
corr-5e	 <chem>Cc1c2ccccc2n1Nc3ccc(CC)cc3</chem>	$0.08 \pm 0.01$	$8.6 \pm 0.2$
corr-5f	 <chem>Cc1c2ccccc2n1Nc3ccc(C)cc3</chem>	$0.13 \pm 0.01$	$8.4 \pm 1.0$

corr-5g

$0.13 \pm 0.02$

$10.0 \pm 2.8$



corr-5h

$0.12 \pm 0.01$

$7.3 \pm 0.4$