

Supplemental material

Table S1. Chemical structures of some urease inhibitors.

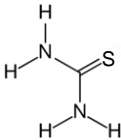
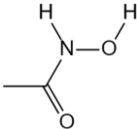
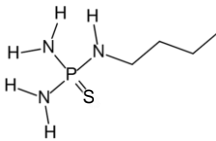
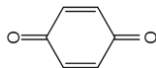
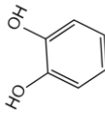
Category	Urease inhibitor	Chemical formula	Structure
urea analogues	Thiourea	$\text{CH}_4\text{N}_2\text{S}$	
hydroxamic acids	Acetohydroxamic acid (AHA)	$\text{C}_2\text{H}_5\text{NO}_2$	
phosphoramidate	N-(N-butyl)thiophosphoric Triamide (NBPT)	$\text{C}_4\text{H}_{14}\text{N}_3\text{PS}$	
	1, 4-Benzoquinone	$\text{C}_6\text{H}_4\text{O}_2$	
	Catechol	$\text{C}_6\text{H}_6\text{O}_2$	

Table S2. Kinetic parameters of UreG GTPase activity in the presence of different concentrations of chelerythrine chloride (0, 6.25, 12.5, and 25 μM).

Concentration (μM)	Equation	R square	V_{max}	K_m
25	$y = 6.122x + 0.1158$	0.9740	8.64	52.87
12.5	$y = 4.662x + 0.05278$	0.9904	18.95	88.33
6.25	$y = 4.451x + 0.04340$	0.9937	23.04	102.56
0	$y = 2.836x + 0.04824$	0.9784	20.73	58.79