

Supplementary Materials: Fused-Ring Oxazolopyrrolopyridopyrimidine Systems with Gram-Negative Activity

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Table S1. Bioassay data for Ceph. C.

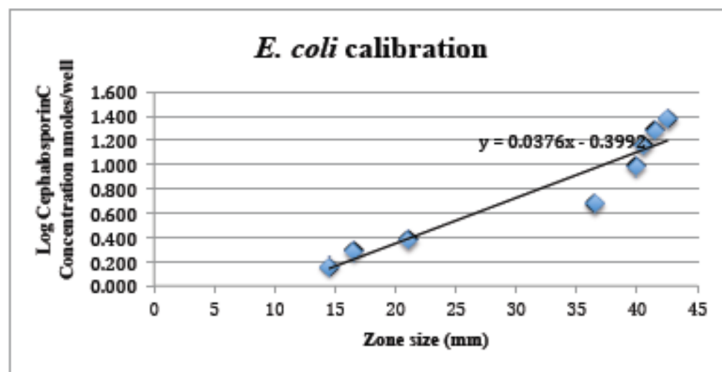
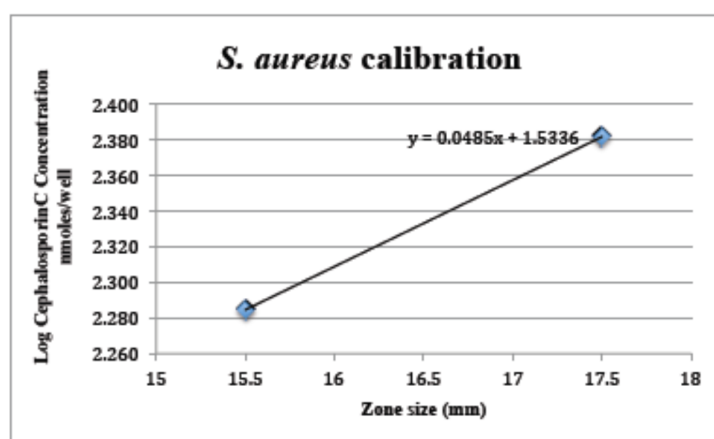
Bioassays Plate Calibration with Cephalosporin C (MW 415.4)						
Stock Solution μg/mL	Ceph. C μL/well	Water μL/well	Ceph. C μL/well	Ceph. C mmoles/well	Zone Size mm	Log (mmol/well)
<i>For Escherichia coli</i>						
10	20	80	0.2	0.481463649	n/a	−0.317
	40	60	0.4	0.962927299	n/a	−0.016
	60	40	0.6	1.444390948	14.5	0.160
	80	20	0.8	1.925854598	16.5	0.285
	100	0	1	2.407318247	21	0.382
<i>For Escherichia coli</i>						
100	20	80	2	4.814636495	36.5	0.683
	40	60	4	9.62927299	40	0.984
	60	40	6	14.44390948	40.5	1.160
	80	20	8	19.25854598	41.5	1.285
	100	0	10	24.07318247	42.5	1.382
<i>For Staphylococcus aureus</i>						
1000	20	80	20	48.1463495	n/a	1.683
	40	60	40	96.2927299	n/a	1.984
	60	40	60	144.4390948	n/a	2.160
	80	20	80	192.5854598	15.5	2.285
	100	0	100	240.7318247	17.5	2.382

n/a = not active.

Table S2. Bioassay data for solvents.

Solvent	Bioactivity
50% DMSO in MeOH	n/a
50% DMSO in H ₂ O	n/a
70% DMSO in H ₂ O	n/a
Pure DMSO	n/a

n/a = not active.

Figure S1. *E. coli* calibration.Figure S2. *S. aureus* calibration.

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