Table 7. Growth Medium, Inoculum Preparation and Incubation Conditions

Organism	Medium	Inoculum	Incubation
Bacillus anthracis	CAMHB	Direct Colony Suspension	37 °C, ~18 hours
Brucella abortus	Brucella Broth pH 7.1 ±0.1	Growth Method	37 °C, 48 hours
Brucella melitensis	Brucella Broth pH 7.1 ±0.1	Growth Method	37 °C, 48 hours
Brucella suis	Brucella Broth pH 7.1 ±0.1	Growth Method	37 °C, 48 hours
Burkholderia mallei	CAMHB	Growth Method	37 °C, ~18 hours
Burkholderia pseudomallei	CAMHB	Growth Method	37 °C, ~18 hours
Francisella tularensis	CAMHB + 2% IsoVitaleX™	Direct Colony Suspension	37 °C, 48-72 hours
Yersinia pestis	CAMHB	Growth Method	28 °C, 24-48 hours

The results of the screen described above are shown in Table 8 and 9.

Table 8. Antimicrobial Susceptibility of Compound 1 and Three Comparators Against Select Bacteria

Organism	Compound 1 MIC (µg/mL)	Doxycycline MIC (µg/mL)	Chloramphenicol MIC (µg/mL)	Levofloxacin MIC (µg/mL)
Burkholderia pseudomallei	32	0.5	16	4
	32	0.5	8	2
	32	0.5	8	2
	64	0.5	16	4
	32	0.063	4	4
	32	0.5	16	4
	32	8	>256	16
	32	0.25	8	8
	64	0.25	8	4
	32	8	64	8
Burkholderia mallei	4	≤ 0.031	4	0.5
	0.25	≤ 0.031	1	≤ 0.125
	4	≤ 0.031	4	0.25
	64	≤ 0.031	1	0.5
	32	0.063	8	0.5

	2	≤ 0.031	8	≤ 0.125
	8	≤ 0.031	4	≤ 0.125
	0.5	≤ 0.031	1	≤ 0.125
	2	≤ 0.031	4	0.5
	2	0.063	4	0.25
Brucella abortus	8	0.25	1	0.5
	4	0.25	1	0.25
	8	0.125	1	0.25
	4	0.125	2	0.25
	4	0.25	2	0.25
	0.063	0.063	0.5	0.25
	1	0.25	2	0.25
	0.5	0.063	1	0.25
	1	0.063	2	0.25
	16	0.5	4	0.5
Yersinia pestis	2	0.5	4	≤ 0.25
	2	0.5	8	≤ 0.25
	2	0.5	8	≤ 0.25
	>64	1	8	0.25
	2	1	4	≤ 0.25
	2	1	2	≤ 0.25
	2	0.5	8	≤ 0.25
	1	0.5	8	0.25
	2	0.5	8	≤ 0.25
	2	1	8	≤ 0.25
Francisella tularensis	16	4	2	≤ 0.125
	8	1	2	≤ 0.125
	16	2	1	≤ 0.125
Bacillus anthracis	0.5	≤ 0.031	8	≤ 0.25
	0.125	≤ 0.031	8	≤ 0.25
	0.125	≤ 0.031	4	≤ 0.25
	0.25	≤ 0.031	8	≤ 0.25
	0.5	≤ 0.031	4	≤ 0.25
	0.125	≤ 0.031	8	≤ 0.25
	1	≤ 0.031	8	≤ 0.25
	0.5	≤ 0.031	8	≤ 0.25
	0.05	≤ 0.031	8	≤ 0.25
	0.125	≤ 0.031	8	≤ 0.25
Brucella melitensis	8	0.25	4	0.5
	8	0.125	2	0.5
	16	0.25	8	1
	8	0.25	4	0.25
	8	0.125	4	0.5

	8	0.125	4	0.5
	8	0.125	4	0.5
	8	0.125	2	0.25
	8	0.125	4	0.5
	16	0.125	4	0.5
Brucella suis	2	0.063	2	0.5
	1	0.063	1	0.25
	1	0.063	1	0.5
	1	0.125	2	0.5
	1	0.063	2	0.5
	2	0.125	2	0.25
	1	0.063	4	0.5
	1	0.063	2	0.5
	1	0.063	1	0.25
	1	0.063	2	0.5

Table 9. *In vitro* activity of Compound 1 (µg/ml)

Organism	N	Range	MIC_{50}	MIC_{90}
Bacillus anthracis	10	0.12-1	0.25	0.5
B. anthracis	30	0.12-4	0.25	1
Brucella suis	10	1-2	1	2
Burkholderia mallei	10	0.25-64	2	32
B. mallei	30	2-32	16	32
Burkholderia pseudomallei	10	32-64	32	64
B. pseudomallei	28	32->32	32	>64
Francisella tularensis	27	8-16	16	16
Yersinia pestis	10	1->64	2	2
Y. pestis	30	2-8	4	8

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