

A New Class of Adjuvants Enables Lower Dosing of

Colistin Against *Acinetobacter baumannii*

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Complete Colistin MIC Potentiation Results

Table S1. Colistin Potentiation Fold-Reductions in Presence of 20 μ M of Compounds 12d and 12i

AB strain	Compound 12d	Compound 12i
1605	32x	128x
2828	≥ 64	≥ 128
3340	64x	64x
3560	64x	$\geq 128x$
3638	32x	64x
3785	≥ 64	512
3806	128x	≥ 512
3917	$\geq 128x$	256x
3927	$\geq 64x$	256x
4025	256x	512x
4026	$\geq 512x$	$\geq 512x$
4027	256x	$\geq 512x$
4052	64x	256x
4269	32x	$\geq 128x$
4448	64x	256x
4486	256x	512x
4490	$\geq 128x$	$\geq 128x$
4498	$\geq 64x$	$\geq 128x$
4795	128x	512x
4857	256x	512x
4878	64x	$\geq 64x$
4932	32x	128x
4957	16x	64x
4991	32x	64x
5001	$\geq 64x$	$\geq 128x$
5197	8x	64x
5256	64x	512x
5674	128x	64x

5711	16x	128x
8967	64x	256x

Table S2. Colistin MIC Potentiation of Compound 12i in Presence of Detergent Tween 80

Detergent Assay Against AB5075	Compound 12i at 20 μM With Tween 80	Compound 12i at 20 μM
Colistin MIC	15.6 ng/mL	15.6 ng/mL

Galleria mellonella Results

Below are results for the *G. mellonella* assay in which 10 worms were used per trial and number alive out of 10 are shown.

Table S3. Bacteria + DMSO

Day	trial 1	trial 2	trial 3
0	10	10	10
1	9	5	5
2	5	3	2
3	4	1	0
4	2	0	0
5	1	0	0
6	1	0	0

Table S4. Bacteria + Colistin 1 mg/kg

Day	trial 1	trial 2	trial 3
0	10	10	10
1	10	8	9
2	8	6	6
3	6	3	3
4	3	2	2
5	1	1	2
6	1	1	2

Table S5. Bacteria + Colistin 1 mg/kg with Compound 12b 50 mg/kg

Day	trial 1	trial 2	trial 3
0	10	10	10
1	10	8	9
2	7	7	8
3	6	6	8
4	5	5	6
5	5	5	5
6	4	4	5

Table S6. Bacteria + Colistin 1 mg/kg with Compound 12d 50 mg/kg

Day	trial 1	trial 2	trial 3
0	10	10	10
1	6	7	7
2	5	6	7
3	5	6	6
4	3	5	4
5	3	4	4
6	3	4	4

Table S7. Bacteria + Colistin 1 mg/kg with Compound 12e 50 mg/kg

Day	trial 1	trial 2	trial 3
0	10	10	10
1	9	8	9
2	8	6	7
3	7	5	6
4	6	5	6
5	5	5	5
6	5	5	5

Table S8. Bacteria + Colistin 1 mg/kg with Compound 12i 50 mg/kg

Day	trial 1	trial 2	trial 3
0	10	10	10
1	9	9	7
2	8	7	7
3	7	6	7
4	5	4	6
5	5	3	5
6	5	3	5

Table S9. Bacteria + Colistin 1 mg/kg with Compound 12k 50 mg/kg

Day	trial 1	trial 2	trial 3
0	10	10	10
1	10	9	7
2	9	7	5

3	8	5	4
4	6	4	4
5	4	4	4
6	4	4	4

Table S10. Bacteria + Colistin 1 mg/kg with Compound 3 50 mg/kg

Day	trial 1	trial 2	trial 3
0	10	10	10
1	7	8	6
2	5	8	5
3	1	6	5
4	1	4	2
5	1	4	2
6	1	4	2

Table S11. Bacteria + Compound 12d 50 mg/kg

Day	trial 1	trial 2	trial 3
0	10	10	10
1	9	5	5
2	5	4	2
3	3	1	0
4	0	0	0
5	0	0	0
6	0	0	0

Table S12. Compound 12d 400 mg/kg

Day	trial 1	trial 2	trial 3
0	10	10	10
1	9	10	10
2	9	10	10
3	9	10	10
4	9	10	10
5	9	10	10
6	9	10	10

Table S13. Colistin Toxicity at 10 mg/kg

Day	trial 1	trial 2	trial 3
0	10	10	10
1	10	10	10
2	10	10	10
3	10	10	10
4	10	10	10
5	10	10	10
6	10	10	10

Table S14. Colistin Toxicity at 100 mg/kg

Day	trial 1	trial 2	trial 3
0	10	10	10
1	10	10	10
2	7	8	8
3	7	8	8
4	7	8	8
5	7	8	8
6	6	8	8

Representative ^1H and ^{13}C Nuclear Magnetic Resonance Spectra









































