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Supplementary Data

Synthesis and evaluation of aromatic BDSF bioisosteres on biofilm formation and colistin sensitivity in pathogenic bacteria

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Acinetobacter baumannii ATCC15308

Supplementary Figure A1. Effect of sulfonamides on bacterial growth of *A. baumannii* ATCC15308.



Escherichia coli ATCC9637

Supplementary Figure A2. Effect of sulfonamides on bacterial growth of *E. coli* ATCC9637.



B. multivorans B10

Supplementary Figure A3. Effect of sulfonamides on bacterial growth of *B. multivorans* B10 (*p < 0.05, **p < 0.01, ***p < 0.001, ****p < 0.0001).



B. cepacia R6193

Supplementary Figure A4. Effect of sulfonamides on bacterial growth of *B. cepacia* R6193 (*p < 0.05, **p < 0.01, ***p < 0.001, ****p < 0.0001).



B. cenocepacia 289

Supplementary Figure A5. Effect of sulfonamides on bacterial growth of *B. cenocepacia* 289 (*p < 0.05, **p < 0.01, ***p < 0.001, ****p < 0.0001).



Pseudomonas aeruginosa PAO1

Supplementary Figure A6. Effect of sulfonamides on bacterial growth of *P. aeruginosa* PAO1.



Stenotrophomonas maltophilia K279a

Supplementary Figure A7. Effect of sulfonamides on bacterial growth of *S. maltophilia* K279a (*p < 0.05, **p < 0.01, ***p < 0.001, ****p < 0.0001).

Methyl 2-Iodobenzoate (4)



		-94.15		Current Data Parameters NAME 41042902 EXPNO 11 PROCNO 1
				F2 - Acquisition Parameters Date20190308 Time 22.13 INSTRUM spect PROBHD 5 mp PABE0 BB/ PULPROG rgpq30 TD 131072 SOLVENT CDC13 NS 1024 DS 4 SWH 23980.814 FIDRES 0.182959 Hz AQ 2.7328513 sec RG 456.1 DW 20.850 usec DE 6.50 usec DE 6.50 usec DI 1.0000000 sec DI1 0.03000000 sec DI1 0.03000000 sec
				Hannel fl NUC1 13C Pl 8.50 usec PL1 -0.50 dB SF01 100.6228298 MHz
				CHANNEL f2 CPDPRG[2 waltz16 NUC2 1H PCPD2 100.00 usec PL2 -0.20 dB PL12 17.93 dB PL13 19.00 dB SFO2 400.1316005 MHz
				F2 - Processing parameters SI 65536 SF 100.6127690 MHz WDW EM SSB 0 LB 1.00 Hz GB 0 PC 1.40
190 180 170 160 1	50 140 130 120 11	0 100 90 80 70	60 50 40 30	20 10 ppm

Methyl 2-(Non-1-yn-1-yl)benzoate (5)





Methyl 2-Nonylbenzoate (6)









N-(Methanesulfonyl)-2-nonylbenzamide (8)





N-(Cyclopropanesulfonyl)-2-nonylbenzamide (9)





N-(tert-Butylsulfonyl)-2-nonylbenzamide (10)







2-Nonyl-N-(3,3,3-trifluoropropanesulfonyl)benzamide (11)



N-(Benzenesulfonyl)-2-nonylbenzamide (12)







N-(2-Bromobenzenesulfonyl)-2-nonylbenzamide (13)





N-(3-Bromobenzenesulfonyl)-2-nonylbenzamide (14)





















N-(4-Fluorobenzenesulfonyl)-2-nonylbenzamide (18)









N-(4-Iodobenzenesulfonyl)-2-nonylbenzamide (20)





		142.44 132.53 131.51 130.92 130.79 130.79 125.95		77.43 77.01		33.13 31.90 31.62 29.54 29.51 29.37 29.37 22.67	Current Data Parameters NAME W529602 EXPNO 10 PROCNO 1
							F2 - Acquisition Parameters Date_ 20190607 Time 1.42 INSTRUM spect PROBHD 5 mm PABBO BB- PULPROG zgp30 TD 65536 SOLVENT CDC13 NS 1024 DS 4 SWH 18115.941 FIDRES 0.276427 DQ 1.8087935 DW 27.600 DE 11.35 US 1 DI 0.5000000 SOLO DI DI 0.3000000
							======= CHANNEL f1 ======= SF01 75.4752949 MHz NUC1 13C P1 10.00 USC PLW1 35.0000000 W
		I					SFO2 300.1312005 MHz NUC2 1H CPDPRG[2 waltrl6 PCPD2 90.00 usec PLW2 7.4000010 W PLW12 0.20556000 W PLW13 0.1665000 W
							F2 - Processing parameters SI 32768 SF 75.4677490 MHz WDW EM SSB 0 LB 1.00 Hz GB 0 1.40
190 180	170 160 150		20 110 100	90 80 70	60 50	40 30 20 10	



N-(4-tert-Butylbenzenesulfonyl)-2-nonylbenzamide (22)





N-(4-Nitrobenzenesulfonyl)-2-nonylbenzamide (23)

